Montgomery College
Computer Science and Engineering
Alumni Panelists
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Chris Bunai
Mechanical Engineering
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Mr. Bunai is currently an Engineering Manager for Haynes Group, a multinational Industrial Services provider based in Brisbane, Australia. He was previously Chief Technology Officer of Industrial Indicators, a manufacturing company specializing in load sensing fasteners. He received two patents for his invention and development of the Chromaulic sensor. Mr. Bunai received his Associate of Science in Mechanical Engineering from Montgomery College in 2008. While at MC, he was a key member of the Robotics Club with Dr. Hou as the Advisor. He also received the Frank L. Verwiebe Award and Clifford Kendall Tech Council of Maryland Transfer Scholarships. Mr. Bunai transferred to the University of Maryland, College Park where he earned his bachelor's degree in mechanical engineering in 2010. Continuing with robotics, he specialized in Machine Design conducting research that enabled him to design, machine, and build automated machines. Mr. Bunai continues his engineering work today focused on Product and Process development, Lean Manufacturing, factory automation, and IIoT technologies.

Huilang Chen
Computer Engineering
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Mr. Chen has a bachelor's degree in computer engineering from the University of Maryland, College Park. He is an alumnus of Montgomery College, where he graduated with an associate's degree in electrical engineering in 2019. Huilang graduated from Montgomery College with a 4.0 GPA, and he was the vice president of the 3D printing club. In 2022, he joined the staff at Montgomery College as a Senior Instructional Assistant working in the evenings. During his time with Montgomery College, he had an internship with NIST as a Research Associate working on a project that focused on transistor material. Mr. Chen is also a full-time Lead Software Engineer with ORIGIN AI.

Maksim Eren
Computer Science
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Mr. Eren is an early career scientist in A-4, Los Alamos National Laboratory (LANL) Advance Research in Cyber Systems division. Mr. Eren received his associate's degree in computer science from Montgomery College in 2018. He graduated Summa Cum Laude with a computer science bachelor's from the University of Maryland Baltimore County (UMBC) in 2020 and master's in 2022. He is currently pursuing his Ph.D. at UMBC's DREAM Lab, and he is a Scholarship for Service CyberCorps alumnus. His interdisciplinary research interests lie at the intersection of machine learning and cybersecurity, with a concentration in tension decomposition. His tensor decomposition-based research projects include large-scale malware deter and characterization, cyber anomaly detection, data privacy, text mining, and high performance characterization. He has also worked on various other machine learning research projects such as detection malicious hidden code, adversarial analysis of malware classifiers, and federated learning. At LANL, Mr. Eren was a member of the 2021 R&D 100 winning project SmartTensors, where he has released a fast enssor decomposition and anomaly detection state-of-the-art text mining tools.

Haley Karp
Information Systems

Ms. Karp is currently a part-time research engineer for Two Six Technologies in Arlington, VA. She is concurrently completing her bachelor's degree at the University of Maryland, College Park in information science where she will graduate this spring and continue employment with Two Six Technologies as a full-time employee. She graduated from Montgomery College (MC) in 2021 with an associate's degree in information systems. While at MC, she held leadership roles in Phi Theta Kappa Honors Society, Math Club and WEST (Women in Engineering, Science, and Technology). Although academics were always her first priority, Ms. Karp didn't shy away from athletics and was also the captain of the MC cheerleading team. Participating in the Paul Peck Internship program inspired her to pursue artificial intelligence. Her current work includes programming and data analytics to build new command line interfaces that will defend against vulnerabilities in open-source software. She is grateful for her time at MC and is beyond thankful to all of her advisors and professors who played such an important role in her time at MC.

Anne-Michelle Lieberson
Electrical Engineering
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Ms. Lieberson is a current student at the A. James Clark School of Engineering at the University of Maryland, College Park (UMD). In 2018, she was admitted into the Montgomery Scholars honors program on full scholarship at Montgomery College. While at Montgomery College, she was the recipient of the Frank L. Verwiebe Award and was nominated for the NIST-MC Research Internship Program, through which she subsequently completed a summer internship on optical quantum memory at the National Institute of Standards in Technology. She was also active in extracurricular engineering teams, serving as Student Chair for the Montgomery College IEEE Student Chapter. In 2021, she transferred to UMD and was the recipient of the Arnold A. Korab Endowed Scholarship and the Bechtel Corporate Partners Scholarship. Currently she is pursuing an undergraduate degree in electrical engineering with a controls specialization and expects to graduate in December of 2023.

Mark Mohades
Computer Science
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Mr. Mohades is a software engineer at Google in Sunnyvale, CA working on Google Pay. He earned a bachelor's degree in computer science with a minor in statistics from the University of Maryland, College Park (UMD) in May 2022. He studied computer science at Montgomery College (MC) before transferring UMD in 2020. While at MC, Mr. Mohades participated in the NASA Swarmathon and represented MC in the Global Grand Challenges Conference held in London, UK; and participated in Hackathons. He was awarded 1st place for the best medical hack and the best hardware hack at HopHacks (Johns Hopkins Hackathon) and he was awarded the best design at HackDuke (Duke University Hackathon). He interned as a software engineer for Boston Scientific in Minnesota where he developed a voice app for an Implantable Cardiac Monitor (ICM) device. He was also awarded the ACCESS II Scholarship. While at UMD, he interned for T. Rowe Price working on developing the T. Rowe Price personal investing web app's client tier and interned for PayPal Credit working on developing a new PayPal Credit's acquisition service. He has held teaching assistant positions for CMSC330 and CMSC433 and was the web challenges author for the UMD-CTF 2022 Competition. Currently, Mr. Mohades is also working on a side project bringing ChatGPT to your iPhone.

Derek Post
Fire Protection Engineering
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Mr. Post is a registered and licensed Fire Protection Engineer in IL, IA, LA, and MD, working with Fire & Risk Alliance, LLC (FRA). He attended Montgomery College (MC) following high school from 2010 to 2012. He participated in the Maryland Transfer Advantage Program (MTAP) during his tenure at MC prior to attending the University of Maryland, College Park (UMD) for his bachelor studies in fire protection engineering (FPE). Mr. Post earned his B.S. in FPE with a minor in engineering leadership development in 2014. He earned the Outstanding Senior Award with the FPE department at UMD; the senior with the highest GPA. During his bachelor studies, Mr. Post qualified for the MS/BS program allowing classes during his senior year to count towards both his bachelor's and master's degrees. He earned his Master of Engineering (MEng) in 2016. His MEng program was part time, while also working part time at FRA, and living riding/driving fire apparatus at the College Park Volunteer Fire Department (CPVFD). During his live-in tenure at CPVFD, he earned the Probationary Member of the Year (2013) and Firefighter of the Year (2015) for his commitment and dedication to the fire service. He is currently a master driver trainer at CPVFD and continues to serve the City of College Park. Derek has career goals to become a subject matter expert (SME) for electrical utility fire protection engineering systems and code compliance. He is the primary engineer for dozens of engineering projects nationwide.

Jimmy Rodriguez
Computer Science and Information Technology
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Mr. Rodriguez is an Information Technology Specialist with the United States CYBER COMMAND where he was awarded the Junior Civilian of the Year award. He is also a student at the University of Maryland Baltimore County (UMBC) enrolled in the Online Master's Program in Information Technology. He graduated form Montgomery College (MC) in 2019 with an associate's degree in computer science. While at MC he was the President of the Software Development Club and hosted the MC's Day of Code. He was a recipient of the Gaithersburg-Germantown Chamber of Commerce scholarship. Mr. Rodriguez earned his bachelor's degree in information technology from UMBC in 2021. He placed first at the UMBC Hackathon in 2019 and was a Scholarship for Service Recipient.   In 2022, he was included in a published research study, "Shadow IT in Higher Education: Survey and Case Study for Cybersecurity" published by Cryptologogia.

Stephanie Shutter
Computer Science
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Ms. Shutter works for Accenture Federal Services in Arlington, VA. She transferred from Montgomery College to the University of Maryland, College Park in fall 2019. While at Montgomery College, she was an officer with the Raptors Who Code Club. Ms. Shutter earned her bachelor's degree in computer science in the fall of 2022. She interned at Washington Suburban Sanitary Commission (WSSC) as well as Alion Science and Technology as a software developer. She has recently developed a passion for video game development and now spends the majority of her free time in Unreal Engine or making 3D models.

Sasini Wickramatunga
Computer Science and Biotechnology

Ms. Wickramatunga is a Research Technician at the Howard Hughes Medical Institute (HHMI). She began her studies at Montgomery College (MC) in the electrical engineering program but chose to change her major and graduated with an associate's degree in computer science. While at MC, she was chosen to be a student member of the Montgomery College Board of Trustees. She also held officer positions in the IEEE and WEST clubs. She was awarded her bachelor's degree in biotechnology from the University of Maryland in 2021. After working in biotechnology for a year, she changed fields to neuroscience and joined the team at HHMI. She now works on constructing innovative experimental setups for studying cognitive and behavioral processes in rodents. Her most recent project involved designing and constructing a clear acrylic rig operated by robotic arms that can test spatial navigation, learning, and creativity in mice. On a daily bases, her work involves using computer-aided design (CAD) software along with other instruments to create detailed 3D models of experimental setups, custom parts, and tools. Once the design is complete, she uses 3D printing, laser cutting technology, etc. to bring the model to life. Her work ranges from project design to final operation, including project construction, and troubleshooting. Looking to the future, Ms. Wickramatunga will be working on designing and building an escape room for mice. The design is to be engaging and challenging, with a variety of puzzles and obstacles that require problem-solving and creative thinking.