KELLY AYCOCK

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EDUCATION

San Diego State University | San Diego, CA   Expected Graduation: December 2024
Bachelor of Science, Computer Science   GPA: 3.2

TECHNICAL SKILLS

- **Languages:** Java, C, C++, MIPS, ARM, SQL, Haskell, MATLAB, Prolog, Python
- **Relevant Coursework:** Operating Systems, Machine Learning, Computer Architecture, Introduction to AI, Computer Organization, Advanced Programming Languages, Data Structures, Introduction to Software Systems, Cryptography & Blockchain, Database Theory Implementation, Discrete Mathematics, Introduction to Linear Algebra, Applied Probability

WORK EXPERIENCE

Embedded Software Cybersecurity Intern, **Collins Aerospace**, Windsor Locks, CT   May 2024 - August 2024
- Worked on the Product Integrity Team and was mentored under team's Senior Principal Engineer
- Studied company's policies and procedures including but not limited to vulnerability management processes, security risk assessments, development plans/implementations
- Mapped NIST 800-53 controls with company's Product Security Guidebook

STEM Coach, **Treobytes**, San Diego, CA   January 2024 – Present
- Working with elementary/middle school students in the Lemon Grove Districts' afterschool programs
- Facilitating hands-on STEM activities including drones and other simple projects
- Assisting with program curriculums, setting up workspaces, and clean-up

Undergraduate Research Assistant, **San Diego State University**, San Diego, CA   February 2023 – March 2024
- Assisted computer science professor in computer science education research alongside a team of undergraduate students
- Studied short term effect of spatial skills training on computer science ability
- Collaborated to recruit subjects and finalize assessments/surveys

PROJECT EXPERIENCE

Grayscale Image Modifier in C
- Developed program that reads and manipulates grayscale images
- Creates a black-and-while, rotated, or transposed version of a .pgm file

Coffee Application in Java
- Developed ordering system creates a number of coffee orders allowing it to be customizable
- Tracks, displays, and stores information about coffee orders for any given location

EXTRACURRICULAR ACTIVITIES

Scholar, STEM Advantage   December 2023 – Present
Member, National Society of Black Engineers   Spring 2023 - Present
Volunteers Chair, National Society of Black Engineers   Fall 2024 - Present
Member, Cyber Defense Team   Spring 2023 - Spring 2024
Treasurer, Womxn Empowerment   Fall 2021 - Spring 2023