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EDUCATION

UNIVERSITY OF MICHIGAN - Ann Arbor, MI   *April 2025*

Bachelor of Science in Computer Science - School of Literature, Arts, & Science

- **Overall GPA**: 3.65/4.00
- **Relevant Coursework:** Core Computer Science Courses (EECS 280/281/376/370), Computer Science Pragmatics (EECS 201), Accessibility Studio (EECS 498), Cybersecurity (EECS 388), Web Systems (EECS 485), Operating Systems (EECS 482), Advanced Operating Systems Projects (EECS 498), Database Management Systems (EECS 484), UI Development (EECS 493), Compiler Construction (EECS 483)

SKILLS

- **Platforms:** Linux, MacOS, Windows, Android, Docker
- **Computer Languages:** C/C++, Rust, Java, Python, SQL, Shell Scripting, HTML/CSS, Go, Javascript
- **Applications:** VS Code, XCode, Microsoft Suite, IntelliJ IDEA, Zsh, Bash, Salesforce, Git, REST API
- **Spoken Languages:** English (Native), Spanish (Native), Portuguese (Conversational)

WORK EXPERIENCE

Embedded & Application Software Engineer - H3D (Ann Arbor, MI**)**   *May 2024 - Present*

- Designed, implemented, tested and released C++-based H3DIntegrator software that asynchronously collects, transforms and re-publishes gamma spectrometer data to various internal and external embedded software instances. Implemented and released for 2 R&D multi-spectrometer products with 4 spectrometers and 25 spectrometers and for future general use in multi-spectrometer products
- Conceived and implemented locally hosted Javascript-based web page to interact with and troubleshoot multi-spectrometer arrays
- Redesigned, implemented, tested and released 3 separate Java-based H3DTablet Android applications that provide a device-agnostic Android-based user interface for data readout and spectrometer control. Created and rolled out production build to Google Play stores worldwide
- Refactored and recreated multiple internal networking, multithreading and logging libraries used in 4+ core software products

Instructional Aid - Intro to Cybersecurity at UofM (Ann Arbor, MI**)**   *August 2024 - April 2025*

https://eecs388.org/archive/f24/

- Attained mastery in core cybersecurity concepts to aid in student learning through hosting one on one office hours and teaching a lab section to 10+ students over the course of 2 semesters
- Aided in the creation and administration of 2 exams and deployment of 5 projects in diverse topics including cryptography, network security, forensics, web security and application security

Support Engineer Intern - S-Docs (Ann Arbor, MI**)**   *May 2023 - September 2023*

- Developed interactive HTML/CSS dashboard that improved visibility of team status and productivity info utilized by 5+ employees, leading to faster workflows and project management across the team
- Designed internal documentation for internal processes, onboarding/training, and technical products
- Improved and debugged a wide variety of 100+ client use cases through HTML document template building, Apex workflow automation, and Salesforce organization configuration
- Devised 20+ suites of quality assurance test cases for the S-Docs and S-Sign products