Eric Tannant

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WORK EXPERIENCE

AMD, Vancouver, BC **January 2025 – August 2025**

System Validation Engineer, *DCGPU*

- Ensured stability and performance on MI300X, MI325X, and MI350X Instinct systems through Python and Bash scripting, Docker container deployments, and automated testing
- Developed Azure data pipelines using table storage, containerized services, and Databricks for long-term storage and data analysis
- Conducted code reviews using GitHub and implemented automated deployments and testing pipelines using Jenkins and GitHub Actions
- Built full-stack React/TypeScript dashboard with FastAPI Python backend, Jira REST API, a MySQL relational database, and Azure storage to manage system allocation and scheduling

Sierra Wireless (Semtech), Richmond, BC **May 2024 – December 2024**

Software Engineer, *Manufacturing Test*

- Developed software in Python, C++, and C# for PCB, software, and system testing
- Designed RF path loss analysis system in C++ to improve fixture accuracy and reduce false negative failure rate by 90%
- Enhanced test software using .NET/C# by adding new functionality and improving the UI

Acturis, Victoria, BC **May 2023 – August 2023**

Systems and Desktop Analyst

- Automated environment management and debugging using PowerShell and Python scripts
- Maintained Oracle database stability through SQL queries, bug fixes, and troubleshooting

PROJECTS

Two-Axis Robot Arm Laser Drawer, University of British Columbia **January 2024 – April 2024**

- Developed custom Python code to generate laser pointer locations given any image file
- Programmed ESP32 microcontroller in C to control dual-axis robotic arm for precision drawing

Personal Portfolio Website, Personal Project **May 2023 – July 2025**

- Designed personal portfolio website using React and TypeScript, showcasing technical projects

Drone Data Analysis Tool, Personal Project **May 2021 – May 2024**

- Wrote Python and MATLAB scripts to match drone photos with drone and GIS position data
- Manipulated 3D coordinate data using Python to extract key data and reformat for 3D software including Pix4D

EDUCATION

The University of British Columbia, Vancouver, BC **September 2021 – May 2026**

Bachelor of Applied Science in Electrical Engineering

SKILLS

- **Languages:** Python, C++, C, C#, JavaScript, Typescript, HTML, CSS
- **Tools:** Git, GitHub, MATLAB, Azure, .NET, MySQL, Jira, Confluence, Altium
- **Other:** French, Linux, Computer Networking