Jacob Barrett

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Summary of Qualifications

- Independently learns new technologies and techniques
- Validates own code and others' via review, tests
- Passionate for new technology, data management, security, and electronics
- Has an understanding of electronics systems down to the silicon level
- Provides excellent customer service, and can teach technical information

Education and Licenses

CCNA — Present Study
- Currently studying for this with projects and texts

Notary Public — June 2021 – Present

IEEE Member — March 2020 – Present

Engineer In Training License – Washington State — April 2021 – Present
- Passed FE exam

Bachelor of Science in Electrical Engineering — September 2016 – April 2020
- University of Washington – Bothell — Bothell, WA
- Minor in computer science and software development, minor in mathematics — 3.87 GPA

Work Experience

Order Desk Service Operator at Xerox — March 2021 – Present
- Provides drawings to customers using in depth knowledge of secure file storage systems — Seattle, WA
- Interacts with professional clients in an office setting providing excellent customer service
- Keeps meticulous notes and documentation to ensure accurate and timely delivery
- Studies export control practices in order to comply with EARs and ITAR
- Provides support through Service Now, email, and phone in order to ensure a good customer experience

Print & Marketing Associate at Staples — October 2016 – November 2018
- Improved payment tracking system with simple solution to better team communication — June 2020 – March 2021
- Led team on donation sales by implementing better sales tactics — Mill Creek, WA
- Improved order filing system using categories to keep team organized

Distribution Assistant at Ben Bridge — September 2014 – September 2016
- Counted merchandise to provide accurate inventory for the company — Seattle, WA
- Communicated problems to supervisors to remove issues early in process

Project Experience

Linux Server Administrating — July 2021 – Present
- Learning system administration by running public services on a Linux Server (Ubuntu 20.04) — Seattle, WA
- Running a Minecraft service — Personal Project
- Administering updates, learning RAM and Storage management tools
- Plans to migrate to a hypervisor system to help manage this, and to add additional functionality

Synthesizer Module — May 2021 – Present
- Creating an oscillator for a modular synthesizer. It creates audio digitally through samples — Seattle, WA
- Using Github to keep version control — Personal Project
- Utilizing analog filtering and mostly hardware design, some software design is needed to control more complicated chips.

Tabletop Gaming Calendar — June 2020
- Developed customizable calendar application for Windows with Python and to teach myself software testing, object structures, and simple UI design in Python — Seattle, WA; Personal Project
- Mitigated issues by applying formal standards and specifications

Aquaponics Farm Automation — December 2019 – March 2020
- Designed scalable control system architecture to process sensor data and turn on pumps, heaters, fans, or any arbitrary binary state transducer — Woodinville, WA; University Capstone Project
- Collaborated with three other team members and two advisors to ensure that the customer would receive a usable product that fulfilled all of their needs
- Improved existing infrastructure while maintaining current functionality by selectively replacing or upgrading existing systems