Kayla Bachler

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Education

Bachelor of Science: Computer Science & Software Engineering   **Graduating June 2019**
University of Washington Bothell   GPA 3.5

Coursework: Fundamentals of computing, Programming methodologies, Cloud computing, Database systems, Machine learning, Analysis and design, Hardware and computer organization, Operating systems, UX & UI, Data structures, algorithms, and discrete mathematics I & II

Technical Skills

Languages: C++, Java, Python, SQL, HTML/CSS, PowerShell & Motorola 68K Assembly language
Software/Environments: AWS, Vim, SQLite, VS Code, Jupyter Notebook, Git, PowerShell ISE, Cygwin & Unity

Projects

Backup Local Files to Cloud (AWS)
- Developed with **Python**. Built using VS Code, cloud storage APIs, and AWS CLI.
- Recursively traverses the files of a local directory and makes a backup to the cloud.
- Recursion, user input, error handling, and cloud storage were used in implementation.

Movie Store
- Developed with **C++**. Built using Cygwin and Vim editor.
- Text-file input for store inventory, customers, and transactions that populates a movie store.
- Inheritance, Hash tables, Binary search trees, vectors, and classes within composition (has-a) used.

HP BIOS Update: Meltdown and Spectre
- Developed in **PowerShell**. Deployed as scheduled task in SCCM.
- Scripted install of BIOS update to entire district (600+ devices) for both PC and laptops.
- Local computer properties, conditional statements, and try-catch blocks were used in implementation.

City Weather Program
- Developed with **Java**; Built using VS Code.
- Displays the current weather of the city specified by the user using API JSON retrieval.
- Google GSON to deserialize Java objects to JSON, and OpenWeatherMap API used in implementation.

Work Experience

Student Technology Consultant   **Sept 2016 - Present**
University of Washington Bothell
- Provide technology assistance to patrons via the Tech Helpdesk at the UWB Library
- Troubleshooting computer hardware/software/connectivity problems
- Review, maintain and create documentation for various tasks

ITS End User Support Student Engineer   **Summer Intern 2016, 2017 & 2018**
Snohomish County PUD (Public Utility District)
- Scripting various software install/uninstall and upgrades for district PCs using PowerShell & SCCM
- Scheduling and performing over 200 computer replacements with active users
- Replacing Physical Components of PC's (Video cards, Memory, Hard drives etc.)