Kyle Hurd

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Education

Washington State University | Pullman WA   Aug 2019–Dec 2022
Bachelor of Science, Computer Science   GPA: 3.94

Grays Harbor Community College | Aberdeen WA   Sept 2015-June 2017
Associate of Arts, Music   GPA: 3.93

Professional Experience

Amazon   Seattle, WA
Software Engineer Intern   May 2022-Aug 2022
- Actively communicated project progress by following the AGILE methodology with sprint meetings, reflection meetings, and daily standups.
- Improved the performance and trust of integration testing for Alexa's Routine Recommendations Engine Service by mocking the external dependencies used by the system.
- Developed on a remote desktop, utilizing Amazon EC2 Linux instances alongside IntelliJ IDEA to run, test, and contribute to the repository.
- Hands-on experience communicating with Amazon DynamoDB as a storage tool for mocking results.

Washington State University   Pullman, WA
Teacher's Assistant   Aug 2020 - present
- Educate students in the fundamentals of programming by hosting weekly labs and office hours.
- Gained a higher understanding of common misconceptions students make when learning new programming languages.
- Responsible for managing and grading sensitive content such as programming assignments, examinations, and lab materials.

Grays Harbor Public Utility District   Aberdeen, WA
Transformer Maintenance   May 2021-Aug 2021
- Repaired and serviced single and three phase transformers, providing power to over 42,000 customers in Grays Harbor County.
- Maintained the inventory of electrical equipment, ensuring the utilities' assets and reserves for emergency purposes are accounted for and ready to be placed in service.

Aberdeen School District   Aberdeen, WA
Technology Summer Help   May 2020-Aug 2020
- Installed wireless access points, cameras, and new phone systems for the school district to improve district security and provide reliable, high speed internet for the students and teachers to use.
- Repaired over 100 student and teacher laptops, saving the district resources and allowing students to continue expanding their technological skills.

Projects

Zoom Mate
Repo: https://github.com/khurd21/Zoom_Mate
Built with Python and utilizing tools such as AppKit and PyAutoGUI, Zoom Mate is a terminal based controller for the Zoom application. Currently only supporting MacOS, this controller can join meetings, toggle video and audio, end meetings, and share your screen all from the terminal! This was designed in response to the COVID pandemic, where I found managing class schedules and meetings to be very difficult and time consuming.

Sentence Generator
Repo: https://github.com/khurd21/Cpts-315-Final-Project-Sentence-Generator
Implemented using a markov chain and n-grams, the sentence generator is a framework that reads a stream of text and generates new and unique sentences based on the original text.

Cloud Log
Repo: https://github.com/khurd21/Skydive-Logbook
A graphical user interface to view and log jumps for skydiving. Quickly add a jump with pre-filled jump information such as the current date, jump number, current equipment, and current drop zone based on default, modifiable user data. Cloud Log is intended to be a web application where users can store logged jumps on the cloud, no longer having to worry about carrying around a physical copy of their jumps. Implemented using React Native for the frontend component, ASP.NET for the web api, Amazon DynamoDB to store user information, and 3rd party authentication services.

Skills

Programming Languages   **Frameworks and Tools**

C#   C/C++   Java   SQL   HTML   Flask   Django   ASP.NET   Git   VSCode

                                                                                           AWS   DynamoDB Jupyter Notebook GitHub