Kyle Hurd

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Education

Bachelor of Science, Computer Science   Fall 2022
Washington State University | Pullman, WA   GPA: 3.94

Associate of Arts, Music   Spring 2017
Grays Harbor Community College | Aberdeen, WA   GPA: 3.93

Skills

Programming Languages: C#, C/C++, Java, SQL, HTML
Frameworks and Tool: Flask, Django, ASP.NET, Git, VSCode, AWS, DynamoDB, Jupyter Notebook, GitHub

Professional Experience

Software Engineer Intern   Seattle, WA
Amazon   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 code on a **remote desktop**, utilizing **Amazon EC2 Linux** instances alongside **IntelliJ IDEA** to run, test, and contribute to the repository.
- Communicated with **Amazon DynamoDB** tables as a storage tool for mocking results.

Software Engineer Intern   Pullman, WA
Schweitzer Engineering Laboratories   Oct 2021-Dec 2021
- Performed **stress tests** on SEL Real-Time Automation Controllers (RTAC) for new firmware releases.
- Improved the setup and teardown procedures of tests by designing **automated scripts** to adjust input and output parameters to the device.

Teacher's Assistant – Fundamentals of Programming in Python   Pullman, WA
Washington State University   Aug 2020-Present
- Educated students in the fundamentals of programming in **Python** by hosting weekly labs and office hours.
- Leveraged my knowledge of common misconceptions students make learning new programming languages to help **improve productivity**.
- Managed and **graded sensitive content** such as programming assignments, examinations, and lab materials.

Projects

Cloud Log
Repo: https://github.com/khurd21/Skydive-Logbook
- A logbook application designed specifically for skydiving.
- Users can store logged jumps on the cloud, no longer having to worry about carrying around a physical copy of their jumps.
- Built with ASP.NET, Amazon DynamoDB, and React.

Macbeth
Repo: https://github.com/epimodels/macbeth
- Open source disease modeling web application tool.
- Dynamically load in deterministic and stochastic models for users to run and view outputs.
- Built with Python, Django and React.
- 1st place in the senior design capstone course at Washington State University.

Spreadsheet App
Repo: https://github.com/khurd21/Spreadsheet-App
- A spreadsheet to create and edit basic spreadsheets, adjust cell color, reference other cells, perform arithmetic equations, and undo/redo actions.
- Built with C# using Winforms, targeting Windows.

Flappiest Bird
Repo: https://github.com/khurd21/Flappy_Bird
- Recreation of the iconic Flappy Bird released in May, 2013.
- Play two game modes, Normal Mode or Flappy Invaders. Normal Mode is the classic experience from the original game where Flappy Invaders challenges you with enemy birds!
- Built with C++ using SFML.