

Ashley Maddix

Full Stack Software Developer

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Personal Site: amaddix.github.io/src/index.html

Technical Skills

- **Programming Languages:** C++, Java, Python, HTML/CSS, JavaScript, SQL
 - **Software Tools:** Linux, Vim, Android Studio, Visual Studio, IntelliJ, Adobe After Effects
 - **Core Competencies:** Object-Oriented Programming, Data Structures, Algorithms, REST APIs, User Interface Design, Machine Learning, Test-Driven Development, Operator Overloading
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Education

B.S. in Computer Science

Portland State University (2017 - 2022)

Projects

PhoneBill App

June 2021 - December 2021

Technologies: Java, Android Studio, REST API, IntelliJ, Test-Driven Development

- Developed a dual-functionality mobile app and web server application for managing phone bill information.
- Implemented a mobile app that stores data locally on the device using Android Studio.
- Built a client-side REST API that communicates with a server-side servlet to store and retrieve data.
- Applied test-driven development principles to ensure application reliability.

Vehicle/Person Classifier

June 2021 - December 2021

Technologies: Machine Learning, Object Detection, Image Classifier Training

- Collaborated with a team of five to develop a machine learning model that differentiates between vehicles and people in images.
- Curated a database of labeled images to train and test the classifier.
- Partnered with Sightline Applications to leverage and enhance their existing object detection software.

Joi Ride

January 2021 - March 2021

Technologies: HTML, CSS, JavaScript, Google Maps API, EJS, Express, Node.js

- Created an interactive web application to help users plan vacations and road trips.
- Integrated Google Maps API for route mapping between multiple points.
- Built a search functionality for finding landmarks and places of interest along the route.

Professional Experience

Coding Instructor

Coding With Kids (Remote/Portland, OR)
December 2022 - July 2023

- Taught computer science and coding concepts to students in a simplified and engaging manner.
- Managed large class groups while providing personalized attention during one-on-one sessions.
- Ensured proper setup and functionality of technical equipment for seamless teaching sessions.
- Proactively addressed and resolved unexpected challenges to maintain a productive learning environment.

IT Help Desk Support

Computer Action Team (CAT), Portland State University
September 2017 - June 2018

- Provided technical assistance to students and faculty in the Engineering and Computer Science Department.
- Maintained and replaced hardware in university computer labs to ensure optimal functionality.
- Diagnosed and resolved technical issues promptly to minimize disruptions.

Additional Highlights

- Strong problem-solving and debugging skills.
- Experienced in collaborative team environments and solo projects.
- Adaptable to new technologies and frameworks with a passion for learning.
- Dedicated to creating user-focused and reliable software solutions.