River Heuberger

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Recently graduated computer science student with several years of experience in hobby programming. I love to read, run, play violin and climb in my pastime.

EXPERIENCE

PickEat   Jan 2020 - Feb 2020
Software Developer | Seattle, WA

- Developed a selection page for a cross platform restaurant ordering app which syncs to their point of sale (POS) system utilizing the tables barcodes. Task done in **React Native**.

HeubergerIOT   Apr. 2019 - Jan. 2020
Software Developer | Bellingham, WA

- Store co-founded with my brother. Custom **PHP WordPress** plugins made to streamline customer product view and order process.
- Inventory stocking and placement calculated with Python scripts and CSV order details generation
- Over 8000 parts sold and processed with in house software

Washington State Dept of Fish & Wildlife   June 2019- Sept 2019
Research Technician | Bellingham, WA

- Gathered imagery with deep sea cameras aboard a four person research vessel in the Puget Sound for eelgrass monitoring and preservation efforts.
- Maintained professional communication with biologists and researchers invested in the project.
- Organized collected data using **R** for further processing by WDFW biologists.

EDUCATION

Western Washington University | B.S in Computer Science   Sept 2017 - March 2021

- Received a comprehensive education while enrolling myself with the most challenging classes in order to expand my computer science knowledge

Relevant upper division courses: Data Structures - Analysis of Algorithms and Data Structures - Computer Systems - Database Systems - Deep Learning - Functional programming - Object Oriented Design - Machine Learning Algorithms

SKILLS / KEYWORDS

Linux:	Arch Linux, Debian Linux (Debian Ubuntu)
Scripting:	sed, awk, Python, Ruby
Databases:	PostgreSQL, SQLite
Machine Learning:	PyTorch, scikit-learn, Numpy Math,
Mobile Programming:	Android studio, Flutter, React Native
Backend:	Python (Django, Flask)
Frontend:	HTML, CSS
Version control:	GitHub, GitLab, BitBucket
Languages:	Java, C, C++, Python, R, Dart, LaTex, Javascript

Projects

NetBSD source contributions *C, Linux*
https://github.com/jonathonderr/src/tree/posix_spawn_working_dir

- Implement support for changing directory in the posix_spawn system call
- Modify both system(3) and popen(3) to use posix_spawn(3)

Wada plant watering app *Flutter, Dart*
https://github.com/wada-team/wada

- Developed a **Flutter** app for users to track the watering of their house plants
- Created **Firebase** functionality in order to communicate and store user profiles