Mason Heaman

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GitHub • LinkedIn

EDUCATION

Western Washington University | Computer Science BS   March 2022
- Upper Division GPA: 3.7
- Classes of Interest: Data Structures, Database Systems, Artificial Intelligence, Data Science

ML Research Student - Western Washington University   April 2021- March 2022

Python | ML Model for Predicting Stress in Young Adults with Autism | Bellingham, WA
- Perform a systematic literature review on related studies in stress prediction.
- Create a ML model and train on data collected by Garmin Watches.
- Preprocess large collections of data from SQLite database using the Pandas Python library.

Olympic College | AA   June 2019
- Programs: Full Time Running Start

EXPERIENCE

Software Development Engineer - Amazon Halo - Full Stack   August 2022 - April 2023

TypeScript/Kotlin | Hybrid | Full Time | Seattle, WA
- Ownership, maintenance, and reliability improvements to a **Cloud Computing driven back end service** for the storage and retrieval of customer data.
- Developed exciting **front end experiences with React Native** for users of the Halo App across multiple platforms.
- Improved app-wide visibility into owned services by implementing operational metrics and alarms, Business Intelligence analytics, and detailed service dashboards.
- Maintained the operational excellence of owned services through bug fixes, ticket investigations, and security reviews.
- Utilized, maintained, and created **automated CI/CD pipelines** for improved safety and efficiency during development.

Backend Engineer - Btybuy.com   June 2021 - December 2021

Python | Remote | 6-8 hrs/week | Bellingham, WA
- Implement and maintain Scrapy web crawlers to obtain product data from multiple e-commerce sites.
- Manage PostgreSQL database. Ensure data is being scraped and stored correctly on a daily basis.
- Experience with Google Cloud Firestore Database.
- Integrate Elasticsearch with PostgreSQL database to allow users to accurately search for products.

ACCOMPLISHMENTS

CS Distinguished Scholar | Western Washington University   July 2019

Selected as one of 40 out of hundreds of applicants for entrance into the Computer Science Distinguished Scholars Program at Western Washington University.

SKILLS

Languages: TypeScript, Kotlin, Java, Python, SQL

Frameworks and Tools: Git, ReactNative, Jest

Cloud Computing: Amazon Web Services (AWS) - Compute, Storage, Networking, Security