Braxton Diaz
University of Washington
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Senior at the University of Washington Bothell, graduating in March 2023 with a degree in Computer Science and Software Engineering. Dedicated and self-motivated leader with practical experience in full stack development and database projects. Takes pride in driving projects from start to finish and eager to make meaningful contributions at a large scale.

SKILLS & INTERESTS

- **Languages:** Java, Python, C++, JavaScript, HTML, CSS
- **Tools:** Git, MySQL, MongoDB, React, Node, Express, MatPlotLib
- **Skills:** Version Control, Code Reviews, Unit Testing, Debugging, Design, Documentation
- **Interests:** Full stack, Backend, API development, Database Systems, Data Analysis
- **Attributes:** Natural Leader, Strong Work Ethic, Fast Learner, Embrace Challenges, Curious

EXPERIENCE

Amazon (AWS)

Software Development Engineer Intern   6/2022 – 9/2022 (Seattle, WA)

- Designed, built, and maintained C/C++ for the storage layer of team Neptune- a graph database service optimized for storing billions of relationships
- Led the design and implementation of a large-scale graph generator that is now used to test the performance of Neptune's complex graph queries and algorithms
- Measure graph performance and visualized graph statistics using Matplotlib
- End to end software development and engineering experience in a fast paced, agile environment

Projects

Portfolio / Code / Demo
- Personal website displaying my software projects and experience
- Built with React and Tailwind, hosted using GitHub pages for continuous development

1st Place MecSimCalc Hackathon / Code / Demo
- Led a team to implement a web app using Python on the MecSimCalc platform
- A financial dashboard that allows users to track their spending habits, create savings goals, and calculate compound interest to create a plan for saving and investing
- Visualized data and savings statistics using MatPlotLib

MLB Catalog / Code
- Implemented a REST API for a web application using ExpressJS and MongoDB
- Allows users to perform various operations on a data base such as create, read, update, and delete for MLB players and teams

Object Oriented C++ / Code
- A program written to show aspects of C++ such as dynamic memory allocation, abstract data types, inheritance, and polymorphism
- Factory design pattern, optimized storage/retrieval for objects, documented, version control, scalable/flexible

EDUCATION

University of Washington Bothell
College of Science, Technology, Engineering and Mathematics
- **Graduation:** March 2023
- **Major:** Computer Science and Software Engineering
- **Course Work:** Data Structures, Algorithms, Web Development, Database Systems, Operating Systems, Software Engineering Principles, Software Analysis and Design