Benjamin M. Scarbrough
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EDUCATION

Bachelor of Science, Computer Science | **Minors**, Mathematics & Spanish - University of Puget Sound, Tacoma, WA

Java	C#	Python
SQL & SQL Databases	Angular	Full Stack Development
Agile Development	Object Oriented Programming	Bilingual English and Spanish

PROFESSIONAL DEVELOPMENT EXPERIENCE

Software Engineer
Lockheed Martin Space, Kings Bay, GA   Feb 2022 to Present

Create and maintain performant code in support of over 120 essential internal customer-facing applications.
- Use C# and Java to create applications for automating customer tasks.
- Explore technologies new to the team (such as Tableau) to replace older technologies.
- Provide software support for other teams at the site.

Software Engineer
PopOver, Tacoma, WA   May 2019 to May 2020

Part of a team of 6 individuals developing the PopOver startup, designed to provide every college student with an opportunity for financial liberation by facilitating the relationship between college students and their community members.
- Used Swift and wireframes to design and create the account creation, verification, login, and password reset forms.
- Created and maintained a Git repository and a secure SQL database for client information.
- Assisted with creating PowerPoint presentations and developing talking points for potential investors.
- Led a team of 3 software engineers in creating use cases for the application and resolving operations issues.

UPS Safe – Project
Capstone project commissioned by the heads of campus security and IT to develop a web application allowing students and faculty to check in with campus security in the event of a campus emergency.
Node.js, Express.js, JavaScript, MySQL, AWS
- Designed, created, and stress tested a JavaScript web application using a MySQL database capable of handling thousands of simultaneous post requests.
- Collaborated with the heads of campus security and IT to facilitate ease of use and implementation.

Schedulizer – Project
JavaScript, HTML, CSS, Heroku
- Created a scheduling application to improve the current way students at the University of Puget Sound view, select, and register for courses.

WORK EXPERIENCE

Grounds Maintenance Worker, Grounds Department
University of Puget Sound, Tacoma, WA   January 2018 to December 2019

Supported a campus wide improvement plan designed to create a safe, pleasant, and functional environment.
- Led a team of student grounds workers in maintaining campus grounds and safety.
- Prioritized tasks to complete projects and meet campus event deadlines.
- Acknowledged by the Grounds Manager for great leadership ability and time management skills.

Highway Traffic Data Researcher, Department of Transportation
State of Alaska, Anchorage, AK   May 2018 to August 2018

Collected data from over 800 individual Southcentral Alaska road segments in support of a $650 million-dollar statewide initiative to maintain and upgrade road infrastructure.
- Provided leadership for the 2 interns in my group and completed more work than any prior group of interns.
- Collected traffic data in the field using PEEK ADR 1000 traffic counters and downloaded the data in the laboratory daily.
- Reduced workload for the full-time staff by taking on extra tasks and responsibilities including mapping the roads with GPS and traveling to remote towns to collect traffic data.