

Mitchell Schaller

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Education

University of Wisconsin-Madison: Phi Beta Kappa, Academic Excellence Scholar, Dean's List x4, Sage Corps Fellow

-Bachelor of Science, Computer Science (3.86/4.00 GPA)

-Political Economy, Philosophy, and Politics (PEPP) Certificate

-Relevant Courses: Compilers, Machine Learning, Introduction to Algorithms, Introduction to Software Security

Skills

Languages: Java, C, JavaScript, Python, HTML/CSS, Go, Elixir

Mobile: Android, iOS

Databases: SQL, Firebase, MariaDB

Misc: Github, Node.js, Sourcetree

Professional Experiences

Software Development Intern at Epic, Verona, Wisconsin

May 2019 - August 2019

- Developed a mobile Android solution for surgeon block management within OpTime's analytics division
- Iteratively integrated accessibility considerations and explored UI variations based on survey responses
- Researched, designed, and executed usability studies internally and interviewed potential surgeon users

Software Engineering Intern, Zumata, Singapore

June 2018 - August 2018

- Identified a data gap between hotel suppliers and API users and developed a new intermediary Phoenix application with Elixir
- Designed custom unit tests across front and back end to ensure application functionality and security
- Wrote custom SQL queries within MariaDB using fulltext indexing to optimize database performance across a massive list of 500,000+ properties

Student Programmer, Space Science and Engineering Center, Madison

December 2017 - Present

- Automated tests across a custom suite of Linux-based software named McIDAS to monitor satellite data integrity and report faults

Leadership

Coding4Good, Campus Organization, Madison: Projects Manager

December 2017 – Present

- Managed a team of eight student developers to create an application for a food-accessibility group
- Oversee new development teams while reaching out to discover and implement new project teams

TEALS, Supported by Microsoft Philanthropies

June 2018 – Present

- Remotely teach introductory computer science courses for New Holstein High School
- Collaborate with the primary instructor to develop most effective lesson plans and activities in Python