Preston Locke

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EDUCATION

Macalester College, St. Paul, MN   *Bachelor of Arts Expected May 2022*
Major: Computer Science   *GPA: 3.6*
Coursework: Computer Systems Organization, Theory of Computation, Algorithm Design and Analysis,
Software Design and Development, Computer Security and Privacy

RELEVANT EXPERIENCE

Computer Science Teaching Assistant, Macalester College, Saint Paul, MN   Sep 2019 - Present
- Host drop-in office hours for student questions about problem-solving, debugging, and testing code
- Grade homework assignments written in C and Assembly and provide constructive feedback
- Develop code and tools used in future assignments
- Report back to the professor about common student issues, developing written communication skills

Lead Developer, PotLuck, Software Design Project, Macalester College   Sep 2019 - Dec 2019
- Designed an application architecture that achieved our project's goals while leaving room for redesign, scalability, and future additions
- Researched and recommended technologies to fit the needs of the project, cultivating knowledge of modern languages, frameworks, and APIs
- Coordinated the Agile development tasks of a 4-member team throughout the semester
- Ensured agreement between team members using active listening and negotiation

SKILLS

Programming Languages:
- Advanced with C/C++, JavaScript, Python, and Dart
- Proficient with Java, TypeScript, HTML5, CSS, and Intel x86 Assembly
- Previous experience with C#, PHP, SQL, Ruby

Frameworks and Libraries:
- Advanced with Qt, C++ STL, and Flutter
- Proficient with Node, JQuery, Firebase Cloud Firestore & Functions
- Previous experience with Android, .NET, and Ruby on Rails

Software and Tools:
- Advanced with Linux, Windows, Git, and Bash
- Proficient with GNU Debugger, Makefile, Webpack, and Jest Unit Testing

Certifications: Adobe Photoshop, Premiere Pro, Microsoft Word, and Excel

ADDITIONAL WORK EXPERIENCE

Café Attendant, Café Mac, Saint Paul, MN   Sep 2018 - May 2019
- Demonstrated reliability and professionalism by arriving to work early every day
- Interacted with over 100 patrons within a 4-hour period, bolstering interpersonal communication skills
- Exercised attention to detail while fulfilling orders and carrying out cleaning duties

CAMPUS INVOLVEMENT

Trombonist, Macalester Wind Symphony, Macalester College, St. Paul, MN   Sep 2018 - Present
- Communicate verbally and non-verbally with fellow musicians during rehearsals and performances