

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

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

Development Lead, 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
- Practiced delegation by coordinating the development tasks of a 4-member throughout the semester
- Ensured agreement between team members using active listening and negotiation

SKILLS

Frameworks: Proficient with Qt, Flutter, Android, and Firebase

Programming Languages:

- Advanced in Java, C, and C++
- Proficient in Python, Dart, HTML5, CSS, and JavaScript
- Previous experience with C#, PHP, SQL, Ruby, and x86 Assembly (AT&T and Intel)

Software:

- Proficient with Bash, Git, and Makefile
- Advanced in Adobe Photoshop, Premiere Pro, Microsoft Word, and Excel

Language: Intermediate-level Spanish

ADDITIONAL WORK EXPERIENCE

Café Attendant, Café Mac, Saint Paul, MN

Sep 2018 - May 2019

- Demonstrated reliability and professionalism by arriving at work at least 5 minutes 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