

Preston Locke

1600 Grand Ave, Saint Paul MN, 55105 * (940) 745-8460 * plocke@macalester.edu

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

Teaching Assistant, Computer Systems Organization, Macalester College

Sep 2019 - Present

- Assist students with problem-solving, debugging, and testing code
- Grade homework assignments written in C and Assembly and provide constructive feedback
- Develop C, Python, and Bash Shell tools used in future assignments
- Strengthen oral and written communication skills by reporting common student issues to the professor

Development Lead, PotLuck, Software Design Project, Macalester College

Sep 2019 - Dec 2019

- Coordinated the development tasks of a 4-member team throughout the semester
- Researched and recommended modern languages, frameworks, and APIs to fit the needs of the project
- Designed an application architecture that left room for redesign, scalability, and future additions
- Programmed large portions of the Flutter/Dart frontend and Firebase/JavaScript backend

SKILLS

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

Programming Languages:

- Advanced in C, C++, and Dart
- Proficient in Java, Python, 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
- Resolve part-selection conflicts through mediation and compromise