



Mackenzie K. Cooper

Software Developer



<https://mackcooper.com/>

Email
Phone
GitHub
Address

me@mackcooper.com
(925) 451-9276
mackkcooper
3330 SE Division St, Unit 206
Portland, OR 97202

Education

Master of Science in Computer Science

Portland State University, Portland OR
June 2020 (expected)

Bachelor of Arts in History

Sonoma State University, Rohnert Park, CA
December 2014

Experience

Computer Science Tutor

Maseeh College of Engineering & Computer Science,
Portland State University, Portland, OR
September 2018 – Present

- Provided guidance to students seeking assistance with assignments and concepts in computer science
- Exercised knowledge in broad array of topics and subject matter, including but not limited to: C/C++/Java/Python syntax and conventions, OOP, basic data structure and algorithm implementations, and design ideation and specification

Projects

Chat Application

A chat application done entirely in Java using Sockets and Swing using the server/client model. It has a fully functioning GUI and makes use of asynchronous threads to handle incoming connections to the server.

Convex Hull

An implementation of Convex Hull algorithms using Java for the purposes of comparing algorithmic complexity and run-time performance. Also includes a small Python program to plot the results of solutions.

See my website or GitHub for links to these projects

Skills

- Agile / Scrum
- Git / Git Flows
- Debugging (GDB, JDB)
- Asymptotic Analysis
- Object Orient Programming
- Unit Testing
- Test Driven Development
- Vim / IntelliJ IDEA / VS Code

Languages

- Java
- C / C++ / C#
- Python
- HTML / CSS / JS
- Node / React