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| Personal Logo | MacKenzie K. Cooper | | |
| ***Software Developer***  A close up of a logo  Description automatically generated  *https://mackcooper.com/* | | |  |  | | --- | --- | | **Email** | me@mackcooper.com | | **Phone** | (925) 451-9276 | | **GitHub** | mackkcooper | | **Address** | 3330 SE Division St, Unit 206  Portland, OR 97202 | | |
| Education  ***Master of Science in Computer Science***  Portland State University, Portland OR  *August 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 | | | 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 |
| 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* | | | |