

# Jacob Hittinger

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## Skills

**Programming Languages:** Java, C, C#, SQL, Android, Python, Visual Basic

**Software:** Eclipse, Visual Studio, Android Studio, MySQL, SQLite, AWS, Kali, Microsoft Office

## Projects

**Team Lead**, Eastern Washington University (EWU) Computer Science, Cheney, WA, January 2017 - Present

- Develop an Image Explorer/Photo Collection Management software on team of three.
- Manage a database to house information pertaining to the images and tags associated with them.
- Incorporate Google Maps for location based tagging.
- Implement a server to synchronize the collection and its data across multiple devices.
- Construct an intuitive graphical user interface, test, troubleshoot, and maintain SRS documentation.
- Utilize MySQL, Java, JavaFX, and JavaScript for development of a cross-platform solution.

**Developer**, EWU Computer Science, Cheney, WA, June 2016

- Produce a chat room system for use on a local network.
- Deploy pthreads and sockets to maintain chat rooms which cooperate with a specified number of connected clients.
- Written in C, for a Linux environment.

**Programmer**, EWU Computer Science, Cheney, WA, April 2016

- Re-create Bash, the Unix shell.
- Implement functionalities such as cd, history, path, piping, wc, and background execution, via C, in a Linux environment.

## Education

BS in Computer Science, EWU, Cheney, WA, December 2017

Member of the National Society of Collegiate Scholars

## Experience

**Programming Tutor**, EWU Department of Computer Science, Cheney, WA, September 2016 - Present

- Tutor 10+ CS students on a daily basis.
- Facilitate the learning process of fundamental topics in Python, Java, C, and MySQL.
- Display step-by-step instruction, give critical feedback, and review homework.
- Manage computer lab; enforce policies, maintain an operational and organized working environment.

**Office Aide**, EWU Department of Engineering and Design, Cheney, WA, September 2015 - Present

- Maintain paperwork involving budgets, purchasing, book orders, personnel access cards, and payroll action forms.
- Refer students to helpful resources and materials around campus.

**Broadcaster**, EWU Hockey Club, Cheney, WA, October 2015 - March 2017

- Stream EWU hockey games to an online audience, as well as record for team review.
- Camera operation and general system troubleshooting.

## Affiliations

**Cyber Security Club**, EWU Department of Computer Science, Cheney, WA, April 2017 - Present

**Hockey Club**, EWU Recreation, Cheney, WA, September 2014 - March 2017