

# Jacob Hittinger

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## Skills

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

**Software:** Eclipse, Visual Studio, Android Studio, Kali, Microsoft Office

**Other:** MySQL, SQLite, .Net, AWS, Android

## Education

**BS in Computer Science, Eastern Washington University (EWU), Cheney, WA**

*December 2017*

## Projects

**Team Lead, Image Explorer, CSCD 488: Senior Project**

*January - June 2017*

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

**Developer, LAN Chat, CSCD 330: Computer Networks**

*June 2016*

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

**Developer, Bash Replica, CSCD 340: Operating Systems**

*April 2016*

- Re-create Bash, the Unix shell; incorporating linked lists, forks, and parsing of commands.
- Implement functionalities such as cd, history, path, piping, wc, and background execution, via C, in a Linux environment.

## Experience

**Programming Tutor, EWU Department of Computer Science**

*September 2016 - December 2017*

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

**Office Aide, EWU Department of Engineering and Design**

*September 2015 - December 2017*

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

**Broadcast Technician, EWU Hockey Club**

*October 2015 - March 2017*

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

## Affiliations

**Cyber Security Club, EWU Department of Computer Science**

*April - December 2017*

**Hockey Club, EWU Recreation**

*September 2014 - March 2017*