

Jacob Hittinger

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Skills

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

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

Education

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

December 2017

Member of the National Society of Collegiate Scholars

Projects

Team Lead, EWU Department of Computer Science

January 2017 - 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.
- Construct an intuitive graphical user interface, test, troubleshoot, and maintain SRS documentation.
- Utilize JavaFX for development of a cross-platform solution.

Developer, EWU Department of Computer Science

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.

Programmer, EWU Department of Computer Science

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 - Present

- 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 - 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

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 2017 - Present

Hockey Club, EWU Recreation

September 2014 - March 2017