

Jacob Hittinger

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Skills

Programming Languages: Java, C, C#, SQL, Javascript, 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