

Jack Lewis

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Blog: <https://jacklew.is>

Github: github.com/rhinoceraptor

Education

2012-2015 Bachelor of Science
Western Michigan University
Major: Computer Science
Minor: Mathematics

Experience

2014-2015 *Student Programmer*
Office of Information Technology, Western Michigan University

- Developed a JavaScript web client for managing computer lab PCs
- Maintained existing C# desktop application for managing computer lab PCs
- Wrote Python scripts to manipulate a computer lab PostgreSQL database

Software Projects

2014-2015 *Literary Worlds* - Senior Design Project
Developed a JavaScript telnet client to replace a Java applet in a legacy text game used for English education at Western Michigan University. The web browser client connects to a Node.js server using Socket.IO, and this server handles the telnet connection on behalf of the client.

2014-2015 *Raspberry Pi Door Opener*
Designed and built a mechanical door opening device using a Raspberry Pi. The door is opened when a registered user swipes their card on a USB magnetic card reader. The card track data is hashed and stored in a SQLite database on an external Node.js server, which serves a web interface for management.

Technical Skills

JavaScript/CoffeeScript, Python, Java, C, Linux, Git, SQL, Ruby

Extra Curriculars

Computer Club at Western Michigan University