

Derek Royse

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Education

Bachelor of Science, Computer Information Systems

Concord University – Athens, WV
3.7 Overall GPA (Magna cum Laude)

CompTIA Security+ Certification - January 2017

Projects

- **Representative Tracker:** User-friendly web app targeted towards those who want a simple and fast way to see what their politicians have been doing. *C#/.Net, HTML5/CSS, web APIs, responsive design*
- **Encrypted Text Editor:** Basic text-editor that allows users to save and load text files and encrypt and decrypt them using a password. *Java, AES*
- **Concord Course Search:** This project uses Ruby on Rails and MySQL to scrape data from my university's website and allows users to search class data by semester. *Ruby, Ruby on Rails, MySQL, PHP, MVC, webscraping*
- **Android Restaurant App:** School project to create an ordering, seating, and point-of-sale system for a (fictional) local restaurant. *Java, Android, Swing, JSON, Networking, Agile*
- **Super Star Trek and Roguelike:** Fully featured ASCII games developed with a team to learn the Agile methodology. *C++, Object Oriented Programming, version control*

Skills

- 3+ years academic experience with design, development, and testing with **Java** and **C++**. Also familiar with **Ruby** and **Python**.
- Hands-on experience creating web applications with **HTML, CSS, JavaScript, Ruby on Rails**, and **.Net (C#/MVC)**.
- Knowledge of relational database design and management with **SQL** and **PHP**.
- Familiar with **MS Visual Studio, Eclipse**, and **NetBeans** IDEs.
- Experienced with **version control** through **Git/GitHub**.
- Worked with **Linux** (Ubuntu, CentOS), **Windows** (XP, 7, 10), and **Android**.
- Knowledge of the **software development lifecycle** and **Agile** methodology.
- In-depth knowledge of **networking and security** concepts and tools.

Portfolio:

Examples of my work and more information about my experience can be found on my personal website www.derekroyse.com.