Scott Clark

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Education

The College of William & Mary   Williamsburg, VA
B.A., Major of Government and Minor of Computer Science   *08/2009 - 01/2013*
GPA in Computer Science: 3.35   Overall GPA: 3.2

Course Work in Computer Science

- **Software Design** - Used Java, Eclipse, test-driven development, and pair-programming to build upon and add features to an advanced maze game, then ported the code to Android.
- **Algorithms** - Explored time complexity using various searching, sorting, selection, and graph algorithms. Implemented those algorithms in C++ to test and compare runtimes.
- **Database Systems** - Learned relational algebra, SQL, ER mapping, and normalization of databases. Utilized Python to scrape web pages for database project information.
- **Web Design** - Used HTML, CSS, PHP, and Photoshop to design and generate multi-page web sites.

Other Course Work Highlights

- **Chinese Language** - Studied grammar, pinyin, characters, and spoken word over three years in high school and two semesters in college. Toured China, principally Beijing and Shanghai, on language-immersion and cultural program.

Additional Knowledge

- **Ruby** - Built personal static-page blog using Jekyll. (@ http://clarkbarz.github.io)
- **Python** - First language used to finish courses Problem Solving and Advanced Data Structures. Scraped data from my school's professor/class database using BeautifulSoup.
- **Javascript** - Used both Bootstrap JS and my own scripts to run client-side code within Rails web apps. Finished real-time chat tutorial using Node.js.

Experience

Clark Productions   Conifer, CO
Full Stack Developer   *06/2013 - Now*

- **Jackson** - Currently working with client to develop an admin-operated Rails e-store from scratch for his emerging clothing company. (@ http://salty-woodland-7650.herokuapp.com)
  - Used Bootstrap and Sass to customize the front end of the site to the client's specifications with style.
  - Designed a minimal database to completely serve the needs of the site and its users.
- **Where to Watch** - A Rails app of my own creation intended to help users find the best place to watch TV on the internet.
  - Scraped and manipulated tens of thousands of episode records from a television database using short Ruby scripts.
  - Interfaced with the API's of such sites like Netflix and Hulu to determine which application hosts specific series.

Kinloch Golf Club

Caddie

Manakin-Sabot, VA

05/2011 - 08/2011

- Developed stronger business and social skills through contact with members, guests, and employees, and realized new techniques for working with those senior in both age and experience.

Great Seasons Bistro

Server

Midlothian, VA

05/2010 - 08/2010

- Served customers expediently, built rapport with guests and staff, and practiced strict time management while also fulfilling additional duties around the restaurant.

Other Interests

- **Music** - disco / electronic / alternative / rock / !country, **Gaming** - SC2 / Steam / Catan, **Film** - sci-fi / comedy / score / all, **Outdoors** - hiking / biking / swimming / camping, **Travel** - US / National Parks / China / future, **News** - tech / hacker / world / politics