

Ryan C Smith

WEBSITE ryancharlessmith.com • GITHUB github.com/RyCSmith

SKILLS

Java, Python, C/C++, Git, Solr, AWS, SQL, PostgreSQL/MySQL, Django, Spring MVC/Tomcat, Maven, Kafka, Memcached, JavaScript/React, Sass/SCSS, Vagrant, New Relic, ZooKeeper, Fluent Spanish, Int Portuguese

EXPERIENCE

1stdibs.com. Software Engineer. May 2016 - Present.

- Backend Engineer for online marketplace with ~50 million unique visits and ~\$150 million of inventory sold in 100+ countries per year.
- Primary responsibilities include Solr product search and development of inventory management tools.
- Contributed to design and implementation of new production features including vetting reviews, derived product history and introduction of contemporary products vertical. Over 12k contemporary items listed within 4 months of release.
- Implemented admin rollback workflow to reverse weekly release of new inventory to production. Later widely adopted for testing use by QA and Automation teams.
- Created testing tools employed across backend services including a database manager to efficiently preserve, set and restore database state for unit testing and domain-specific junit class runners.

Homfield.com. Co-Founder and Software Engineer. September 2015 - December 2016.

- Homfield.com is a website to discover and book new and inspiring spaces for your next event.
- Responsible for design and implementation of all technical features of the Homfield.com service.

University of Pennsylvania - SEAS. Teaching Assistant. August 2015 - December 2015.

- Teaching Assistant in CIT590, graduate level programming class for non-computer science majors.
- Led weekly recitation session, graded homework/exams and held office hours.

Goldman Sachs. Technology Summer Analyst. May 2015 - August 2015.

- Software Engineering Intern on the Sales Technology - Business Intelligence Team.
- Designed and implemented program to dynamically create and perform realistic load testing of Business Intelligence platform including web applications and QlikView dashboards.
- Load testing program was used to successfully identify areas of concern within the platform.

Discover Learn Work Career Training Services. Employment Specialist. Jan 2012 - July 2014.

- Developed individualized service plans to meet the needs of individuals with developmental disabilities.
- Arranged community-based employment and internships for program participants.
- Served as member of ecommerce team, conducting routine management, maintenance and design modifications for Magento-based web-store generating \$50k+ in first-year sales.

EDUCATION

Master of Computer and Information Technology. May, 2016.

University of Pennsylvania, Philadelphia, PA.

- 3.78 cumulative GPA.
- Completed Courses in Computer Architecture, Algorithms and Theory, Web and Distributed Systems, Databases, Software Engineering and Testing and more.

BA, Spanish with a minor in Latin American Studies. Cum Laude. May 2010.

Central Connecticut State University, New Britain, CT.

- 3.52 cumulative GPA.
- Participated in two study abroad programs. León, Spain, 1 year. Florianópolis, Brazil, 6 months.
- Recipient of the FIPSE grant to study in Brazil.
- Recipient of monthly scholarship for translations done on behalf of University of State of Santa Catarina.

PROJECTS

(demo videos on website)

Bingle Search Engine - Web Search Engine containing Distributed Web Crawler, TF-IDF Indexer, PageRank Generator, Web Interface and Database.

DataLake - Data normalization, storage and search platform. Attempts to normalize and find meaningful relationships between large data sets of varying formats.

Bugs Interpreter - Interpreter for 'Bugs' programming language developed by Dr. Dave Matuszek.

ACTIVITIES

iPraxis - Henry C. Lea Elementary School. Volunteer Mentor. January 2015 - April 2015.

- Taught Python to eighth grade students with the goal of creating a text-based adventure game for their science fair. Concluded with development of a "dragon-escape" game.