

# Ryan C Smith

WEBSITE [ryancharlessmith.com](http://ryancharlessmith.com) • GITHUB [github.com/RyCSmith](https://github.com/RyCSmith)

## 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.

## SKILLS

Python • Java • JavaScript/React • C/C++ • Groovy • Git • AWS • Sass/SCSS • Solr  
Django/Flask • Spring MVC • Vagrant • PostgreSQL/MySQL • Fluent Spanish • Intermediate Portuguese

## PROJECTS

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

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

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

## EXPERIENCE **1stdibs.com. Java Software Engineer. May 2016 - Present.**

- Backend Engineer for online marketplace with ~50 million visits and \$100 million+ of inventory sold in 100+ countries per year.
- Implement bug fixes and new features across multiple backend services with specific focus on Solr inventory search.

## **Homfield.com. Co-Founder and Software Engineer. September 2015 - Present.**

- 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.

## 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.