

Ryan Xi Zhang

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EDUCATION

Carnegie Mellon University, School of Computer Science
Bachelor of Science in Computer Science, Minor in Statistics

Graduated May 2017

GPA: 3.12/4.0

Relevant Courses: Distributed Systems (15-440), Computer Systems (15-213), Data Structures and Algorithms (15-122, 15-112), Functional Programming (15-150), Web Development (98-232), Discrete Math (15-151, 15-251), Parallel and Sequential Data Structures and Algorithms (15-210), Math Finance (21-270), Web Security, Privacy, and Commerce (15-421), Advanced Algorithms (15-451), Formal Languages, Automata, and Computation (15-453), Introduction to Machine Learning (10-601), Statistical Graphics and Visualization (36-315), Data Mining (36-462)

SKILLS

Programming Languages: C, C#, Python, Java, JavaScript, HTML, CSS, Ansible, SML, SQL, Visual Basic, R

Applications: Amazon Web Services, MongoDB, Adobe Photoshop, Eclipse, FitNesse, Android Studio

Citizenship/Foreign Languages: US Citizen, Conversant in Chinese and Spanish

PROJECTS

Capital One C1erk Application | McLean, VA

Summer 2016

- C1erk took pictures of receipts and sent them into an OCR API, parsed the file, and auto-completed expense reports
- Developed during summer hack-a-thon with three other team members
- Use of MongoDB, JavaScript (including Passport), HTML, CSS, and an OCR API

OpenSquat Development | Pittsburgh, PA

Spring 2015

- Allows users to check/update status of weight machines in CMU gym; give feedback of different workout times
- Utilized statistical analysis and predictive algorithms to predict when machines would be available
- Object oriented programming, Android studio SDK tools and Java

EXPERIENCE

Associate Software Engineer, Capital One | McLean, VA

June 2016 - August 2016

- Implemented support stack for Team Huckleberry in Amazon Web Services using Ansible
- Responsible for building testing framework in the cloud for multiple mobile teams
- Wrote Python script to query AWS for Team Mobius' Instances, ELB's, ASG's, etc.
- Worked heavily with Python, including Ansible

Asset Management Intern, Bank of New York Mellon | Pittsburgh, PA

May 2015 - August 2015

- Created script that implemented Levenshtein Distance based sorting of serial numbers of assets
- Worked heavily with Java, SQL, Visual Basic, and HP Asset Manager

Software Quality Assurance Intern, Fidelity Investments | Merrimack, NH

May 2014 - August 2014

- Worked heavily in Java and C#, utilized symbols to set up automation testing into FitNesse
- Gained experience in using the Fidelity API and HP quality center API
- Rapidly integrated into structure of Agile-framework based team

Cary Memorial Library Webmaster | Lexington, MA

September 2012 - May 2013

- Designed website for Cary Memorial Library and managed schedules using HTML, CSS, and Adobe Photoshop
- 7 hours/week during school

LEADERSHIP

Sigma Phi Epsilon Fraternity, Secretary

Fall 2015 - Spring 2016

- Helped lead fundraising over \$1000 for Carnegie Mellon's Greek Sing performance

Camp Kesem Counselor

August 2015

- Counselor for Camp Kesem, a camp for kids of all ages whose relatives have been inflicted with cancer
- Raised over \$500 to support campers to come and for camp activities

Asian Students Association

January 2013 - December 2014

- Led Communications Committee within the organization, helped coordinate events and lead Newsletter projects

ACTIVITIES & HONORS

- Scored a 2390 on the SATs (800 in Math, 800 in Critical Reading)