

Fletcher Marsh

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA – Majoring in Information Systems and Computer Science

Bronx High School of Science, New York, NY

ACADEMIC AND WORK EXPERIENCE HIGHLIGHTS

Carnegie Mellon School of Computer Science Teaching Assistant, 2016 - ongoing

Extensive knowledge of Python, Java, SQL, HTML/CSS, and CLIs

Working knowledge of C, Ruby on Rails, and Javascript

Software Engineering Intern at CA Technologies, Summer 2017

Worked with a team in an agile environment to produce Android applications in order to test the performance of existing CA products.

Astrophysics Research, Summer 2014

Completed individual research using Fermi databases and Fermi Tools under Professor Reshmi Mukherjee. Submitted to contests such as JSHS, Siemens, and Intel Science Talent Search, Presented findings at NYCSEF. Nationally recognized by Intel.

EXTRA- CURRICULARS

2017: Leading development of an application focused on streamlining the office-hours experience

2016 – 2017: Participating in hackathons on the CMU campus, organizing hackathons and puzzlehunts such as “Hack112”.

2015: Tutored lower school youth in after-school literacy classes for Harlem RBI

2014 – 2015: “Search And Care” program, helping housebound people on the upper east side of Manhattan take care of their apartment and their pets every weekend

2011: “Tunnels to Towers”, helped rebuild Staten Island homes destroyed by Superstorm Sandy organization. tutored lower school youth in after-school literacy classes for Harlem RBI

2009 – 2015: Local church soup kitchens

2000 – 2015: Local Manhattan league spring baseball every year since 2000, Bronx High School Varsity team 2013 – 2015

EMPLOYMENT

2017: Software Engineering Internship at CA Technologies in Santa Clara, California

2016 – 2017: Teaching Assistant at Carnegie Mellon University’s School of Computer Science, teaching Python and beginner to intermediate algorithm design

2016: Managed information systems for the Neighborhood Learning Alliance in Pittsburgh, and tutored Physics and Math to high school students

2014 – 2017: Winter holidays, part time work at a local Manhattan cheese shop/restaurant, Cash register, assisting customers as a cheese-monger

INTERESTS

- Computer Science: Frequently do recreational research of interesting algorithms, code small programs on spare time, tutor friends and fellow students
- Technology: Built computer from scratch
- Sports: Collecting old signed baseballs, recreational football, basketball, soccer, running
- Astronomy/Physics: Keeping track of current NASA projects, drove down to Virginia to watch rocket launches
- Keeping current with world news through physical and online media
- Scientific-oriented blogs such as “What-If” that pose theoretical physics questions and answered in a comical fashion