JERILYN ZHENG

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education

College of Engineering, Cornell University, Ithaca, NY
B.S. Computer Science,
Mathematics Minor
Expected: May 2023
GPA: 3.99/4.0

Deerfield Academy
Deerfield, MA
Graduated: May 2019
Cum Laude, GPA: 93/100

course work

Data Structures & Functional Programming

Digital Logic & Computer Organization

Object-Oriented Programming & Data Structures

Discrete Structures

Intro to Computer Vision*

Natural Language Processing*

Embedded Systems*

skills

Java (4 years)

Python (2 years), Numpy, Pandas, Matplotlib

C++ (3 years)

Bash, Git

honors

Gold Division 2019
USA Computing Olympiad

1st place, 2018 USRowing
Club National Championships

5th place, 2018 USRowing
Youth National Championship

1st place, 2017 New England
Rowing Championships

* - in progress

experience

Teaching Assistant, *Cornell University*   *Fall 2020*
Intro Computing Using Python

Software Intern, Cloud Services, *ServiceNow*   Summer 2020
- Implemented Java-based log parser to detect and analyze errors from data center server feeds
- Developed test suite to validate virtual machine plugins
- Automated previously manual process, integrated in Jenkins to enable CI/CD

Software Intern, *Plus.ai*   *Summer 2019*
- Used Python (Numpy, Pandas, Matplotlib) for time series analysis of system performance data

Lead Programmer, FIRST Robotics, *Deerfield Academy*   2017

projects

Image Semantic Data Research Project   *Fall 2020*
- Demonstrate how semantic features from knowledge bases can augment deep learning models for image understanding with limited amount of training data, using two enhanced deep learning models

Google Student Development Program CSSI-Coursera   *2019*
- Developed predictive text generator based on dynamically-sized Markov word model, used Java principles of software design

Cellular Automaton (Conway's Game of Life)   *Spring 2017*
- Built a Java app to model organisms and interactions in a 2-D binary totalistic cellular automaton

activities

- Corporate Liaison, Society of Women Engineers
- WE LEAD, one of 20 students selected out of 200+ applicants in Cornell women in tech and engineering leadership program
- Women in Computing at Cornell Leadership Club
- Hackathon: Big Red Hacks at Cornell
- Google Anita Borg Women Techmakers
- Cornell University College of Engineering Dean's List
- Managing Editor: Deerfield Academy *Door to STEM* Journal
- Student representative: Deerfield Academy *Academic Honor Committee* (one of 10 students along with academic dean)