

SOFTWARE ENGINEER INTERN

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Education

Hunter College New York City, NY

BA - COMPUTER SCIENCE | GPA: 3.5

Expected Graduation 2020

· Relevant Coursework:

Computer Science: Software Analysis and Design I and II, III Computer Theory, Introduction to Unix Tools, Discrete Mathematics, Computer Architecture, Artificial Intelligence, Machine Learning, Computational Vision

Mathematics: Calculus I, II, Matrix Algebra, Applied Statistics

State University of New York College at Geneseo

Geneseo NY

BA - PHILOSOPHY Graduated Spring 2011

Skills_

Languages: C++, Java, Python, Perl, Lisp

Other skills: HTML, CSS, Git, Github, Shell Scripting, Unix, Flask, scikit-learn, Tensorflow, Keras

Experience

Hunter College New York, New York

UNDERGRADUATE TEACHING ASSISTANT

August. 2018 - PRESENT

- Assists recitation and lecture sections for the introductory computer science course and the introductory and intermediate software analysis
 and algorithm design courses
- Tutor students for topics that include programming and problem solving using Python and C++, Unix commands, basic circuits, simple assembly language, as well as algorithms and object oriented programming

Professor Susan L. Epstein's Problem Solving and Machine Learning Laboratory

New York, New York

Undergraduate Research Assistant

February 2018 - PRESENT

- Explore and analyze cutting edge artificial intelligence and machine learning research with both undergraduate and PhD students in weekly meetings
- Give presentations on AI/ML conference papers to provide lab members a better understanding of current developments in the fields of AI and MI.
- · Assist PhD students in their research for publication

Projects

Cat Detector Python and C++

SCHOOL PROJECT

Fall 2018

- Classified images from the Oxford-IIIT Pets Dataset using three different computer vision techniques: Haar Cascade classifier, Histogram of Oriented Gradients features with a linear SVM for classification, Resnet-101 with fast RCNN
- Used OpenCV, scikit-learn, pandas, matplotlib and Tensorflow across all the implementations to assess the accuracy of different classification methods

Pawfect Match - HackNY Fall18 Best First Hack Winner

Python

HACKATHON PROJECT

Fall 2018

- Using Keras with Tensorflow, analyzed images gathered from the Petfinder API to query a k-d tree to return the nearest-neighbors populated by mobilenet, a convolutional neural network that returns a 1024dimension feature vector for each dog image. The tree then returns dogs by unique id who have the highest similarity percentage to a user uploaded image of a dog.
- Utilized Flask with a bootstrapped web application for the front end.

Activities

Hunter Women in Computer Science

Hunter College - New York, New York

Co-Founder

2016 - PRESENT

- Planned events in collaboration with tech industry professionals and CUNY programs to support women interested in CS or the tech industry with career development and strengthening technical skills.
- Managed a mailing list of over 300 women and allies to coordinate events