Tomer Singal

EDUCATION

The College of New Jersey (TCNJ), Ewing, NJ   Expected May 2020

B.S. in Computer Science, Minor in Physics
Cumulative GPA: 3.96 / 4.0
Honors: Dean's List (all semesters)

WORK EXPERIENCE

TCNJ Tutoring Center, Ewing, NJ

Computer Science Tutor   Current

- Helping students understand concepts taught in various courses

Phone.com, Newark, NJ

Software Development Intern   Summer 2018

- Worked with project director to develop a Python gateway server for parsing MIME messages
- Designed and implemented a web messaging application using the ReactJS framework
- Worked as a member of a 9-person team to rework the company's communications API, utilizing Amazon Web Services (AWS)

Quality Assurance Intern   Summer 2017

- Constructed an extensive testing program for the company's central API using PHP

SOFTWARE EXPERIENCE

Web Development Student Research   Summer 2019

- Collaborating with another student and faculty to study the role of human computation in web applications, making use of technologies such as PHP, Ruby on Rails and PostgreSQL

Machine Learning Student Research   Fall 2018

- Collaborated with 5 other students and faculty to study the learning curves for natural language processing tasks
- Integrated Named Entity Recognition into a research infrastructure, utilizing Python, numpy, High Performance Computing, Natural Language Toolkit (NLTK) and more

Rutgers Hackathon   Spring 2018

- Worked as part of a team of 4 to prototype a web application for hiring
- Contributed to the front-end design and execution

Genetic Rockets   Winter 2018-19

- Developed a JavaScript evolution simulator in which rockets evolve to find paths to a target using a genetic algorithm

SKILLS

Languages: (Proficient) JavaScript • Python • Java • PHP • HTML • CSS (Familiar) SQL • Ruby • C++
Technologies: Windows • Mac OS • Unix • ReactJS • AngularJS • Ruby on Rails • Databases • AWS • Git • Microsoft Office • Blender • ZBrush