

Tony Zheng

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EDUCATION

University of Connecticut

May 2021

Bachelor of Science in Computer Science

Storrs, CT

3.7/4.0 GPA

Honors: Dean's List, University of Connecticut Leadership Scholarship, Mirksy Scholarship

Relevant Coursework: Data Structures and Object-Oriented Design, Algorithms and Complexity, Systems Programming, Computer Architecture, Statistical Methods, Linear Algebra, Multivariable Calculus

SKILLS

Languages: Python, SQL, C, Java, JavaScript, HTML/CSS

Technologies: Linux, PostgreSQL, React, Git

WORK EXPERIENCE

Infosys

June 2020 -- August 2020

Software Development Intern

Remote

- Create Microsoft Teams bot that aids in productive DevOps collaboration.

Connecticut Cybersecurity Center

December 2019 -- Present

Research Assistant

Storrs, CT

- Created a submodule that generates autonomous system numbers associated with major content delivery networks for whitelisting purposes.
- Wrote a script to pull and modify HTML from bgpstream.com for unit testing.
- Wrote a script to run web parser nightly, perform backups, and restore missing data.

University of Connecticut - School of Engineering

August 2019 -- December 2019

Teaching Assistant

Storrs, CT

- Introduced object-oriented programming concepts to classes of 20+ students, 3 times a week.
- Taught and mentored students in Python during weekly office hours.
- Created practice tests and lead review sessions attended by 50+ students.

Cyberlab

June 2019 -- August

2019

Research Assistant

Storrs, CT

- Developed feedforward artificial neural networks for predicting weather patterns using Keras with Tensorflow backend, Numpy, and scikit-learn.
- Applied image data in combination with noise reduction filters in OpenCV to detect edges and optical flow.
- Beta tested Navy ship routing application written in HTML, CSS, JavaScript.
- Ported Python 2 projects to Python 3 in anticipation of deprecation.

University of Connecticut Foundation

September 2018 -- June 2019

IT Intern

Storrs, CT

- Led company-wide iPhone 7 to iPhone 8 upgrades & VMware AirWatch to Microsoft Intune migration.
- Prepared dated workstations for recycling & deployed new workstations.
- Created and licensed new employee accounts, and conducted on-boarding technology training.