

## EXPERIENCE

### **Citrix Systems**

Software Engineer Intern  
Boston, MA  
Summer 2020

- Conserved disk creation time in Citrix Studio by 35%.
- Boosted test coverage of internal Citrix libraries by 97% through unit and integration tests in NUnit.
- Pair programming on customer bug reports, consisting of identifying the bug to testing and implementing the fix.
- Drove the design of single resource group upload on Microsoft Azure.

### **University of California**

Undergraduate Research Assistant  
Los Angeles, CA  
Summer 2018

- Automated collection of PCR test data using a Python script, massively increasing lab efficiency.
- Designed and implemented a pattern-matching algorithm for DNA sequences.
- Analyzed lab results and presented them to an audience of 25 members, including the principal investigator.

### **Brown University**

Software Developer  
Providence, RI  
Fall 2017

- Introduced a web app, the Virtual Patient Viewer, using Angular.js and MySQL.
- Communicated with professors extensively to receive input on features, bugs, and possible improvements.
- Automated the process of creating an internal record for a student in PoSH.

## EDUCATION

### **Brown University**

Providence, RI

A.B. in Computer Science  
3.8 GPA

Expected Graduation: May 2021

## PROJECTS

### **RI Maps**

- CLI tool and web app using HTML5 Canvas, Javascript, a Java backend, and MySQL.
- Extensive object-oriented design which helped overcome throttling and saved time on key loading aspects.
- Pair programming task which required merging of separate data structures and code bases.

### **myMovieList**

- Deployed product which allows users to create lists of movies, share them, and rate movies to get movie recommendations in 3 months.
- Coordinated team on design and implementation of the product, identified key tasks, and delegated for a team of four.
- Spearheaded an extensive back-end API in Java to process movie data for the UI.

### **Tau Reconstruction**

- Created and trained a neural network with ReLU activation and dropout to predict masses of particles using data provided by the European Organization for Nuclear Research (CERN).
- Swarmed on designing and implementing various machine learning models with a team of four members.
- Worked on a poster and presented results to CERN, Professor Daniel Ritchie, and CS147.
- Accepted for presentation at the New York Academy of Sciences.

Other Projects: **Threads Library**, **Shell**, **IP Location**

## SKILLS

OOP. Web Development. C#. C. Java. Javascript. Python. Operating Systems. Azure. AWS. Git.