

## EDUCATION

### **PRINCETON UNIVERSITY, Princeton, NJ (May 2019)**

B.S.E. COMPUTER SCIENCE, GPA: 3.45

*Honors:* Rewriting the Code Fellow/Ambassador 2017; 1<sup>st</sup> place in the International Eye Photo Contest 2017; Mary W. George Research Conference 2016; APIASF/Wells Fargo Foundation Scholarship 2015; NCWIT Aspirations in Computing MD/DE Affiliate Runner-Up 2015

*Relevant Coursework:* Information Security (COS/ELE 432); Advanced Programming Techniques (COS 333); Computational Reasoning (COS 340); Programming Systems (COS 217); Logic Design (COS 306/ELE 206); Algorithms/Data Structures (COS 226); General Computer Science (COS 126)

## EXPERIENCE

### **SOFTWARE ENGINEERING / DATA SCIENCE INTERN, TimescaleDB**

MAY 2017 – AUGUST 2017

- Authored an analysis/tutorial on TimescaleDB functionalities and PostgreSQL queries using 1200+ cryptocurrency datasets
  - #1 on HackerNews, 100k+ views, and 800+ recommends on Medium
- Researched and developed an aggregate PostgreSQL function in C for Timescale’s scalable, time-series database extension

### **SOFTWARE DEVELOPER / RESEARCH ASSISTANT, Princeton Social Neuroscience Lab**

SEPTEMBER 2016 – MAY 2017

- Wrote and implemented Python scripts to conduct web scraping of social media platforms, track trends in human sharing, and analyze behaviors of online personas
- Oversaw fMRI scans for neuroimaging of participants in a behavioral study analyzing the effects of complete social isolation on humans

### **MATERIAL MEASUREMENT LAB INTERN, National Institute of Standards and Technology**

JUNE 2014 – AUGUST 2014

- Verified molecular information for 10,000+ chemical structures on the NIST Chemistry WebBook using SciFinder databases and ChemBioDraw structure design applications
- Optimized over 6,500 molecular structures using Gaussian 09 virtual modeling software

## LEADERSHIP & ACTIVITIES

### **GRAPHIC DESIGNER / PHOTOGRAPHER**

- Layout Editor for the award-winning *Princeton Traveler* magazine (fall 2016 – present)
- Design Team Officer for *Princeton’s Entrepreneurship Club* (fall 2015 – may 2017)
- Photographer for the *Daily Princetonian* (fall 2015 – may 2016)
- Freelance, on-campus designer for student organizations including *Old NasSoul* (acapella group), *BodyHype* (dance group), and the *Community Service Initiative Committee*

### **DANCE GROUP MEMBER, Princeton Rags Belly Dance Troupe** (fall 2017 – present)

### **CO-DIRECTOR OF CAREERS TEAM, Princeton Entrepreneurship Club** (fall 2015 – may 2017)

- Coordinated communications between startup companies and students on campus through our bi-annual startup fair, speaker series, and resume/interview workshops

### **ORIENTATION LEADER, Princeton Outdoor Action (OA) Program** (fall 2016)

- Selected and trained to lead weeklong backcountry trips for incoming freshmen

## SKILLS & ABILITIES

Proficient in Java, C, C++, Python, Javascript, PostgreSQL, Matlab, R  
Graphics software: Illustrator, Photoshop, InDesign, Autodesk Inventor 3D CAD