

## education

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

B.S.E. COMPUTER SCIENCE • GPA: 3.47

*Relevant Coursework:* Algorithms and Data Structures; Information Security; Computational Reasoning; Systems; Circuit Logic Design*Honors:* Rewriting the Code Fellow / Ambassador 2017 – present; Yext Grace Hopper Scholarship 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**GOOGLE** *June 2018 – August 2018*

SOFTWARE ENGINEERING INTERN

- Expanded major features and data functionalities for Google Analytics, including the horizontal numeric axis class, dynamic rendering of charts, support for multiple series, and visual descriptors for the publicly-facing Ads platform.
- Designed and implemented the scatter plot visualization, one of seven primary data representations on Google Analytics. Deployed on the Advanced Analytics (Vero) interface and developed with Javascript, D3, and Angular.
- Improved the efficiency of data rendering by refactoring code within the internal visualizations library.

**TIMESCALEDB** *May 2017 – August 2017*

SOFTWARE ENGINEERING / DATA SCIENCE INTERN

- Authored an analysis/tutorial on TimescaleDB functionalities and PostgreSQL queries using 1200+ cryptocurrency datasets. Developed charts for analysis using ggplot2 in R. Reached #1 on HackerNews, 130k+ views, and 1k+ recommends on Medium.
- Researched and developed an aggregate PostgreSQL function in C for Timescale's scalable, time-series database extension. Currently deployed in Timescale's consumer-facing extension serving clients such as Ubisoft, Comcast, and Laika Studios.

**PRINCETON SOCIAL NEUROSCIENCE LAB** *September 2016 – May 2017*

SOFTWARE ENGINEER / RESEARCH ASSISTANT

- Wrote and implemented Python scripts using Python's BeautifulSoup package 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 social isolation on humans.

**NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY** *June 2014 – August 2014*

MATERIAL MEASUREMENT LABORATORY INTERN

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

## involvements

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**GRAPHIC DESIGN / PHOTOGRAPHY** Designer for the *Student Design Agency* • Freelancer for student organizations including *Old NasSoul*, *BodyHype*, and the *Community Service Initiative Committee* • Layout Editor for the award-winning *Princeton Traveler* magazine • Photographer for the *Daily Princetonian*

**ENTREPRENEURSHIP CLUB** Officer for *HackPrinceton's* Experience team • Co-director of the Careers team • Officer for the Design team • Professional Development Lead Associate for *The Princeton Startup Immersion Program*

**BACKPACKING** Orientation leader for *Princeton Outdoor Action (OA)* **DANCING** Member of *Princeton Raqs Belly Dance Troupe*

## skills

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**PROGRAMMING SKILLS** Proficient in Java and Python; Familiar with C, C++, Javascript, D3, Angular, PostgreSQL, Matlab, R

**VISUAL DESIGN SKILLS** Illustrator, Photoshop, InDesign, Autodesk Inventor 3D CAD, Wireframing & UI Prototyping