

## EDUCATION

**University of North Carolina at Chapel Hill**

Dec. 2018 Grad.

Bachelors in Computer Science | Honors Carolina Cape Town Fall '18

## TECHNICAL EXPERIENCE

**GetCalFresh Engineer, Code for America** | San Francisco, CA

April. 2019 – present

- Civic-tech non-profit, dedicated to increasing the accessibility of social-safety net program and wiping backlogged criminal records
- Working on GetCalFresh, an online application for the CalFresh (SNAP) enrollment process in **Ruby on Rails**

**Full-Stack Developer Intern, RLabs** | Cape Town, South Africa

Aug. – Dec. 2018

- NGO tackling high-unemployment rates in low-income communities with business/technology education and project-incubation support
- Worked on a team of 3 to build a mobile platform, in partnership with *United Nations Women*, to help destigmatize conversations surrounding sexual assault among college students in **Django and Python**
- Team lead for JunkFund, a foundation that gives burgeoning start-ups and service organizations seed money each month, built website with **Django, Python and Wagtail CMS** and collaborated with business and design teams

**Associate Engineer Intern, Red Ventures** | Charlotte, NC

June – Aug. 2018

- Worked on a team of eleven to create, revise and test a sales' agent platform selling deregulated energy in **React, Redux, Stash, Jenkins, Kanban and Git**
- Built interactive dashboard tool displaying data visualizations of image modeling from Apple Music Ads in **Django, Python, D3.js and JSON** to predict image features' impact on ads' click-through-rate
- Prepared and taught lecture and workshop activity to students in Road to Hire, a program training high school graduates for technical careers

**Software Engineer, UNC School of Education Research** | Chapel Hill, NC

Oct 2017 - April 2018

- Built, tested and revised interactive-science simulations testing the effectiveness of visual-educational tools for English-Second-Language students for a NSF-funded Making-Science-Visible research project
- Added more than 4,000 lines of code using **JavaScript, CSS, HTML5 and the WISE Berkeley API**
- Managed heavy workload and tight deadlines, worked closely with supervisors

**Fellow, Impact Labs Fellowship** | New York City, NY

Jan. 2019

- Selective (<5%) technical fellowship that focuses on developing computer science projects for social good
- Technical workshops in **JavaScript frameworks and Machine Learning** and engagement with speakers and leaders from NGOs, social startups, think tanks, and philanthropic organizations
- Built MVP, in collaboration with the NYC Freegan community, for a food waste web application

**Web Developer Intern, Bitcookie** | Asheville, NC

July – Aug. 2015

- Created front-end design and programming material for small web-design company in **PHP, Drupal, HTML, CSS and Adobe Illustrator**, worked individually and reported to supervisor regularly

## TECHNICAL PROJECTS

**UNC Children's Hospital Augmented Reality Game**[unc.live/2rDQrLc](https://unc.live/2rDQrLc)

- Built an augmented reality game to encourage UNC Children's Hospital patients with cystic fibrosis or cancer to move around the hospital ward in a **Unity, C#, Android, and Vuforia** environment

**NYC Freegan Food Waste App**[bit.ly/2W2adhJ](https://bit.ly/2W2adhJ)

- Worked on a team of three to create an interactive dumpster-diving app with a map, user system, live feed and email notifications in **MongoDB, Express, React, Node, Leaflet.js and R**

**Hazardous-Waste Sites and Low-Income Communities Data Visualization**[bit.ly/2BcOpqF](https://bit.ly/2BcOpqF)

- Cleaned and scraped data from the EPA and the U.S. Census Bureau to create interactive visualizations illuminating the spatial disparity between low-income communities and superfund sites using **Docker, Python, Django, Pandas, D3.js, Leaflet.js and JavaScript**

**Play Blackjack Website**[bit.ly/2rzvEzA](https://bit.ly/2rzvEzA)

- Created blackjack game with login system and point stored database using **PHP, Google Sign-In API, HTML5, CSS, JavaScript, and SQL**