

## Education

### The University of Chicago

Expected June 2021

BS in Computer Science & BA in Public Policy, Odyssey Scholar (with Full Scholarship), Dean's List  
Relevant Coursework: Honors Intro CS (**Haskell, C**), Systems, Data Visualization (**D3, React**)

### Stuyvesant High School

Relevant Coursework: AP Computer Science (**Java, Algorithms, Data Structures**), Software Development (**Python, SQL, Web Development**)

Class of 2017

## Skills

**Languages:** Python, C, C++, Java, Go, Kubernetes, R, Haskell, Javascript (React, React Native, Typescript, Angular, D3, Three.js), HTML, SASS

**Design:** Adobe Photoshop, AutoCAD

## Experience

### Electronic Arts (EA)

June 2019 – Sept 2019

**Cloud Software Engineer Intern** | *Seattle, WA*

- Develop cost metric pipeline for cloud services utilization to identify, evaluate, and advise on wasteful allocation of resources (e.g. CPU, storage, instances) in **Golang** using **Kubernetes, Prometheus, Cortex**, and **Grafana**
- Impact of saving thousands of dollars daily by reducing wasteful cloud services purchased from third-party suppliers

**Pathfinder Software Engineer Intern** | *Redwood City, CA*

June 2018 – Sept 2018

- Built interactive 2D and 3D visualizations of EA's player network in **D3** and **Three** in **React with Typescript**
- Wrote **Python** scripts to condense big data into smaller representative datasets for quickly renderable visualizations

### Morgan Stanley

June 2017 – Aug 2017

**Information Analyst Summer Intern** | *New York, NY*

- Refactored the **user interface** of an in-house configuration management system to **Angular**

### Davidson Kempner Capital Management

Nov 2016 – July 2017

**Cross Functional Technology Intern** | *New York, NY*

- Designed and built **iOS mobile app** for internal employee use in **Angular** with **Ionic Framework**
- Built **Node.js** server to send silent APNs that would seamlessly update app data

## Projects/Activities

### UChicago Tech Team

Jan 2019 – Current

**Co-Chair, PM+Technical Lead for Chicago Department of Public Health Reporting App** | *Chicago, IL*

- Lead leadership team of 10 students in a 50+ student organization dedicated to building digital tools for community organizations and local government effecting social change—with focus on accessibility and action
- Interviewed 20 students to assemble 5-person developer team and 3-person design team, then delivered lessons twice a week on building mobile apps with **React Native**
- Organized and executed 10-week timeline for building a React Native app to improve the CDPH's report system for critical/contagious disease for Chicago health providers for our client, Chicago's Chief Medical Officer

### psihbbp.org, Phoenix Sustainability Initiative (PSI)

Sep 2018 – Current

**Project Leader and Webmaster of Hyde Park Business Partnership** (subdivision of PSI) | *Chicago, IL*

- Developed environmental impact metric on energy, water, food, and waste production and consumption
- Provide pro bono consultation to local cafés (ongoing clients: True North Café, Medici on 57th, Sanctuary Café) on environmental sustainability with individualized strategy proposals and partnerships with local composting companies
- Designed and developed a mobile-friendly website (**HTML, SASS, Javascript**)

### Pavan

Nov 2017 – Mar 2018

**CTO**, 3rd in *College New Venture Challenge (CNVC) 2018, Cleantech University Prize Finalist 2018* | *Chicago, IL*

- Led the technological development of student startup combating air pollution through education, monitoring, and air pollution solutions
- Built web application in **Python Flask** with real-time data reporting and visualization of air quality in user's location