

Education

The University of Chicago

Expected June 2021

BS in Computer Science & BA in Public Policy, Odyssey Scholar, GPA: 3.5

Relevant Coursework: Honors Intro CS ([Haskell](#)), Systems ([C](#)), Discrete Math, Algorithms, Machine Learning, Data Vis, Networks, Advanced Networks

Stuyvesant High School

Class of 2017

Work Experience

VMware

Associate Product Manager Intern | *Palo Alto, CA*

June 2020 – Sept 2020

- Refine scope and completion criteria with stakeholders, UI team, engineering to ship browser-side device detection in Workspace ONE Access 2020 Q3 after identifying security concern in current method of Apple device detection
- Analyze 300+ escalations tickets and conduct interviews with customers and sales engineers to form specific recommendations in process and product areas to reduce escalations predicted to decrease escalations by 10-20%

Electronic Arts (EA)

Cloud Software Engineer Intern | *Seattle, WA*

June 2019 – Sept 2019

- Developed 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](#)
- Deployed visualization tool saving thousands of dollars daily by reducing unused cloud services from third-parties

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 300 million+ data points into representative datasets for quickly renderable visualizations

Leadership Activities

UChicago TechTeam, uchicagotechteam.com

Jan 2019 – Current

Co-Chair, Project Leader for Mutual Aid App and Chicago Department of Public Health Reporting App | *Chicago, IL*

- Lead leadership team of 13 students in a 70+ student organization dedicated to building digital tools for community organizations effecting social change and teaching coding to students from non-STEM majors
- Acted as project leader (PM+Tech Lead role) for several projects that required interviewing non-technical clients to understand problem scope, designing a feasible technological solution, then driving a 4-7 student team to complete development of the product within 1-2 school quarters

psihbbp.org, Phoenix Sustainability Initiative (PSI)

Sep 2018 – Jun 2020

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

- Developed environmental impact metric on energy, water, food, and waste production and consumption from research and knowledge from environmental sustainability-related classes at the University of Chicago
- Work directly with clients to provide pro bono consultation on environmental sustainability by writing individualized strategy proposals based on budget and branding, and connect clients to form partnerships with local composting companies (ongoing clients: True North Café, Medici on 57th, Sanctuary Café)

Pavan

Nov 2017 – Mar 2018

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

- Advised and led technological development of student startup combating air pollution through education, monitoring, and air pollution solutions
- Built MVP in [Python Flask](#) with real-time data reporting and visualization of air quality in user's location

Skills

Programming: Python, Go, Javascript (React, React Native, Typescript, Angular, D3, Three.js), C, C++, Java, Haskell, Docker, Kubernetes

Data Analysis: R, Stata, Python (NumPy, SciPy) | **Design:** Adobe Photoshop, AutoCAD