# Alexander Sheen

Senior · US Citizen

☏ (+1) 917-657-8291 | ✉ alexsheen@uchicago.edu | 🔗 alex-sheen | 💻 alex-sheen.github.io
Graduating June 3, 2023 | Available to work starting July 1, 2023

## Education

**University of Chicago**

B.S. Computer Science, B.A. Media Arts and Design                               Graduating June 2023

**GPA: 3.86**. Dean's List 2021-2022 (top 20% of class)
**Relevant Coursework**: Computer Networks, Computer Security, Computer Architecture, Graph Theory

## Work Experience

### Platform Engineer Intern - Slalom Build

Chicago, IL                                                                     June 2021- Aug 2021
- Empowered development team by deploying **AWS Cloud Infrastructure** and maintaining **automated CI/CD** pipelines for a new internal IoT management application for a user population of 300+ employees.
- Wrote Infrastructure as Code via **AWS CloudFormation** Templates: **Lambda**, **DynamoDB**, **Route53**.
- Created **DNS infrastructure** and modified bash scripts to enable deployments to a new prod environment.
- Implemented automated AuthN and AuthZ for Jasmine unit tests utilizing **Cognito**.
- Built a **Bitbucket** pipeline to automate code builds, unit tests, and infrastructure deployment.
- Wrote Bash scripts to transfer **CloudFront** files between environments.
- Wrote Python scripts to seed **DynamoDB** tables.
- Worked in an intern team of 6 and practiced **Agile Development** with 2 week sprint cycles.

### Software Engineer Intern - Script Health

Chicago, IL                                                                     June 2021- Aug 2021
- Utilized **React** and **Wordpress** to build a new frontend workflow allowing pharmacists to prescribe vaccines.
- Developed frontend features such as a patient vital forms, expired question and warning flags, Wordpress landing page, and nearby pharmacy locator page utilizing Google Maps SDK.
- Built a Wordpress staging site on a new AWS EC2 instance and transferred project files with FTP client Filezilla and database with SSH client Putty.
- Worked in a dev team of 4 and presented my work in weekly meetings to the company founder, technology advisor, and product owner.

## Projects

### Frames - Augmented Reality Experience

- Partnered with an MFA graduate student to translate their physical sculptures into an **interactive AR experience.**
- Used **Open-Ended Group's Field** to place virtual objects in the viewer's live camera feed of the real-world environment, allowing the viewer to physically walk around the virtual sculpture.
- Utilized the **OpenGL Stencil Buffer** to create metaphysical worlds within frames in the AR space.

## Skills

**Coding Languages:** C, Python, Javascript, HTML, CSS, Java, Typed Racket
**Software/Development Tools:** AWS CloudFormation, AWS Serverless Framework (SAM), Travis CI, React.js, Blender3D
**Methodologies:** Agile Development, Continuous Integration, Unit Testing