

# Alexander Sheen

Senior · US Citizen

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Graduating June 3, 2023 | Available to work starting July 1, 2023

## Work Experience

### Platform Engineer Intern - Slalom Build

Chicago, IL

June 2021- Aug 2021

- Deployed **AWS Cloud Infrastructure** and maintained CI/CD pipelines for a new internal IoT management application for a user population of **300+ employees**
- Built a Bitbucket **pipeline** to automate code builds and run Jasmine **unit tests, enforcing 80% code coverage, utilized 5+ times daily per Software Engineer.**
- Wrote **Infrastructure as Code** to automate Cloud Infrastructure deployments (**~8 minutes per environment**).
- Setup **DNS** and **CloudFront** infrastructure to create a **new prod environment.**
- Enhanced pipeline by retrieving AWS CloudFormation logs to the Bitbucket console and by imposing mandatory manual triggers for deployments to prod.
- Implemented AWS Cognito **AuthN** and **AuthZ** to protect the app's API endpoints from unwanted access.
- Deployed dev and prod DynamoDB database tables and wrote Python seeding scripts for **Regression Testing.**
- Worked in a development 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 easily prescribe vaccines.
- Developed **frontend features** such as a patient vital forms, expired question and warning flags, and Wordpress landing page.
- Recommended and built a "Pharmacy Locator" using Google Maps SDK after researching available API options.
- Built a Wordpress **staging site** for safe and contained testing.

## Projects

### Virtual Reality Diver Interface - <https://tinyurl.com/56un292e>

- Created an **intuitive and usable interface** for scuba divers, prototyped in VR using Unity and Oculus Quest 2.
- **Anchored** menu buttons and essential metrics such as depth **to the user's wrists for easy access.**
- Designed a radio with a unique **horizontal** number pad interface to **avoid accidental inputs** from the user.
- Addressed weak peripheral vision by centering the crewmates manager with track and quick call buttons.

## 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

## Skills

**Coding Languages:** C, Python, Javascript, Java, Typed Racket

**Software/Development Tools:** AWS CloudFormation, AWS Serverless Framework (SAM), React.js