

# AARON ALBERG

(773) 807-6139 | aaronjalberg@gmail.com | [aaronalberg.com](http://aaronalberg.com) | [linkedin.com/in/aaron-alberg](https://www.linkedin.com/in/aaron-alberg)

---

## EDUCATION

---

### University of Illinois at Urbana-Champaign

December 2022 (*expected*)

B.S. in Computer Science, specializing in Intelligence and Big Data (GPA: 3.91)

- Dean's List (*All Semesters*)
- *ThinkChicago* Fellow (2020)
- *Code for Equity* Fellow (2021)
- *Daniel L. Slotnick* Scholarship (2022)

#### Relevant Coursework

Data Structures, Algorithms & Models of Computation, Database Systems, Machine Learning & Data Mining, Social Data Analysis & Visualization, Art of Web Programming, Ethics in CS, Computer Architecture, Bioinformatics, Numerical Methods, Software Design Studio, Probability & Statistics for CS, Discrete Structures

---

## RELEVANT SKILLS & PROJECTS

---

### Startup Directory

March 2021

- Built web app that consolidates information about UIUC startups for the local entrepreneurship community
- Implemented with MongoDB and full stack JavaScript via Next.js for server-side rendering

### Recipe Box

December 2019

- Developed award winning app that identified recipes for users based on the contents of their fridge

**Utilities:** Spring, Rails, ASP.NET, React.js, Next.js, Docker, AWS, Git, Linux, MongoDB, Terraform, Pandas, Ktor

**Languages:** Python, Kotlin, Java, JavaScript, Ruby, C++, C#, HTML, CSS

---

## RELEVANT EXPERIENCE

---

### Software Engineering Intern

June 2022—August 2022

*Flexport*

*Chicago, IL*

- Increased visibility for rail shipping customers by propagating rail sightings from external provider
- Built data pipeline including ingestion, normalization, and distribution through freight tracking network
- Architected microservice to support predictive estimates and historical data analysis of shipments

### Software Engineering Intern

May 2021—August 2021

*Arity, an Allstate Company*

*Chicago, IL*

- Provided business customers tools to register and update their users by building out support for API endpoints
- Removed external dependency by building a data processing library to decrease overhead for company projects
- Validated API behavior at all points in customer life cycle with integration and mocked unit tests

### Software Engineering Intern

June 2020—October 2020

*CSG*

*Omaha, NE*

- Developed a service dashboard to present teams with data on AWS infrastructure health and resources
- Increased uptime (to 99.9%) update frequency (by 50%) for training tracker by revamping the web scraper

---

## LEADERSHIP

---

### Engineering Learning Assistant

Jan 2021—Present

*GFX @ Illinois*

- Teach engineering exploration class for 20 undeclared students to discover passions and define goals
- Mentor students to help them settle in and make sure they connect with peers at the university

### Vice President of Operations

January 2020—January 2022

*Design for America @ UIUC*

- Mentor 5 teams of students using human-centered design to complete social impact projects in the community
- Allocate a \$1k+ annual budget with project leaders and maintain organization's 501(c)3 non-profit status

### Code Moderator

May 2020—June 2021

*CS @ Illinois*

- Led weekly code reviews of five to six students in software design studio class to teach programming concepts