

# AARON ALBERG

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## EDUCATION

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### University of Illinois at Urbana-Champaign

May 2023 (*expected*)

B.S. in Computer Science, specializing in Intelligence and Big Data (GPA: 3.93)

- Dean's List (*All Semesters*)
- *ThinkChicago* Fellow (2020)
- *Code for Equity* Fellow (2021)
- Minor in Microeconomics

#### Relevant Coursework

Data Structures, Algorithms & Models of Computation, Art of Web Programming, Interactive Computer Graphics, Ethics in CS, Computer Architecture, Bioinformatics, Numerical Methods, Software Design Studio, Probability & Statistics for CS, Discrete Structures

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## RELEVANT SKILLS & PROJECTS

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### 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, ASP.NET, React.js, Next.js, Docker, AWS, Git, Jenkins, Linux, MongoDB, Terraform, Pandas, Ktor

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

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## RELEVANT EXPERIENCE

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### 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 microservice to decrease overhead for 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 International*

*Omaha, NE*

- Developed a service dashboard to present teams with data on AWS infrastructure health and resources
- Increased service reliability by implementing bug fixes for production-level software defects in training tracker

### Software Developer

February 2020—Present

*Illinois Founders*

*Champaign, IL*

- Building software solutions for startups and student entrepreneurs at UIUC under the R&D team
- Architecting a new website with a team of designers, board members and other developers

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## LEADERSHIP

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### 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—Present

*Design for America @ UIUC*

- Mentor 5 teams of students using human-centered design to complete social impact projects in the community
- Allocate a \$1k+ budget 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 undergraduate students in software design studio class
- Taught object-oriented programming concepts and consistent code style by grading programming assignments