

# 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 Human and Social Impact (GPA: 3.92)

- Dean's List (*2019, 2020*)
- HackIllinois, AGCO Hackathon (*2020*)

#### Relevant Coursework

Data Structures, Software Design Studio, Probability & Statistics for CS, Discrete Structures, Applied Linear Algebra, Multivariate Calculus, Strategies for International Engineering, Intermediate Microeconomics

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## RELEVANT SKILLS & PROJECTS

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### Recipe Box

December 2019

- Developed award winning app that identified recipes for users based on the contents of their fridge
- My role: UI/UX design, frontend development, front/backend integration

### Home Finder

May 2020

- Native C++ application that returns a city for the user to live in based on their preferences
- Developed individually using the Cinder framework with integrated public location data

#### Project Portfolio: [aaronalberg.com](http://aaronalberg.com)

**Utilities:** ASP.NET, React.js, Cinder, AWS (Cloud Practitioner), Git, Terraform, Puppeteer, Pandas, Matplotlib

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

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## RELEVANT EXPERIENCE

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### Software Engineering Intern

June 2020—Present

*CSG International - Omaha, NE*

- Developed Single-Page Application as a company-wide tool for cloud metrics built on .NET Core and React.js
- Implemented solutions for production-level software defects and supported operations engineers

### Software Developer

February 2020—Present

*Illinois Founders - Champaign, IL*

- Design software solutions to promote accessibility at UIUC for startups and student entrepreneurs
- Reconstructing organization website to support startup pipeline and attract investors

### Consultant

August 2019—January 2020

*Illinois Business Consulting - Champaign, IL*

- Provided recommendations to companies based on data and supply chain analysis
- Developed cost-benefit models to optimize process efficiency and profits for clients

### Staff Karate Teacher & Front Desk Associate

January 2018—August 2019

*Thousand Waves Martial Arts & Self Defense Center - Chicago, IL*

- Handled point of sale transactions and kept close accounting in Mindbody for various retail options
- Planned and taught karate classes for up to 20 students designed daily to provide appropriate challenges

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## LEADERSHIP

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### Vice President of Operations

January 2020—Present

*Design for America @ UIUC*

- Mentor all project teams and manage 501(c)3 non-profit status and financial tracking/planning

### Course Assistant

January 2020—Present

*CS @ Illinois*

- Lead code reviews, grade programming assignments, mentor undergraduate students in software design class

### Associate Director

October 2019—Present

*Social Hack at the University of Illinois*

- Plan a conference for UIUC students to generate solutions to climate change and learn human-centered design
- Lead tech team to develop admin portal for managing participants and organize community needs panel