

AARON ALBERG

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EDUCATION

University of Illinois at Urbana-Champaign

May 2023 (expected)

B.S. in Computer Science, specializing in Human and Social Impact (GPA: 3.90)

- Dean's List (2019, 2020)
- ThinkChicago Fellow (2020)
- Code for Equity Fellow (2020-2021)
- Minor in Economics

Relevant Coursework

Computer Architecture, Bioinformatics, Numerical Methods, Data Structures, Software Design Studio, Probability & Statistics for CS, Discrete Structures, Strategies for International Engineering, Intermediate Microeconomics

RELEVANT SKILLS & PROJECTS

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

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

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

RELEVANT EXPERIENCE

Software Engineering Intern

June 2020—October 2020

CSG International

Omaha, NE

- Provide teams with data on AWS infrastructure health through full stack web development (ASP.NET, React)
- Increase service reliability by implementing bug fixes for production-level software defects in training tracker
- Streamline team development by documenting existing codebase and service architecture/data ingest

Software Developer

February 2020—Present

Illinois Founders

Champaign, IL

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

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

LEADERSHIP

Code Moderator

May 2020—Present

CS @ Illinois

- Lead weekly code reviews of undergraduate students in software design studio class
- Teach object-oriented programming concepts and consistent code style by grading programming assignments

Vice President of Operations

January 2020—Present

Design for America @ UIUC

- Manage 501(c)3 non-profit status and \$5000 budget to ensure projects have appropriate funding
- Mentor teams of students using human-centered design to complete social impact projects in the community

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