

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: 3.92)

- 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

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

Project Portfolio: aaronalberg.com

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

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

RELEVANT EXPERIENCE

Software Engineering Intern

June 2020—Present

CSG International - Omaha, NE

- Provide teams data on AWS infrastructure health through full stack web development (ASP.NET, React)
- Implement bug fixes for production-level software defects and document existing codebase

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

LEADERSHIP

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