Abe Baali

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Education

University of Illinois at Urbana-Champaign
B.S. in Computer Science
Expected December 2022
GPA 3.92/4 (Dean's List)

Relevant courses: Programing Languages & Compilers, Algorithms & Models of Computing, Database Systems, Numerical Methods, Computer Architecture, Data Structures, Applied ML, Deep Learning for Computer Vision

Experience

Meta, Front End Engineer Intern   Summer 2022

Web core, *facebook.com*, *instagram.com/direct*

Built features that make fb.com's UI more equitable by giving users the option to decide how hovercards are displayed, and by making keyboard shortcuts customizable. **Unblocked** my team by shipping Instagram Direct features that are end-to-end encrypted and comply with EU data regulations. **Wrote** documented and well-tested code. **Utilized:** React, GraphQL, Hack, ReScript.

Redfin, Software Engineer Intern   Summer 2021

Sell-side customer growth, *redfin.com*

Increased seller leads by developing an interactive home affordability calculator to inform buyers on how much they can afford. **Wrote** technical planning documents, unit tests, and led bug bash sessions. **Built** a Tinder clone for homes and won in the company wide Hackathon. **Utilized:** Javascript, React, Docker, Java, A/B testing.

Karma Trade (startup), Technical Co-founder   Mar 2020 - Dec 2020

karmatrade.shop

Developed an e-commerce cloth swapping platform. **Made** a custom POS and inventory management system for a physical retail location. **Designed** the brand identity, and UI/UX. **Utilized:** Javascript, React, Node, Git, Firebase, Payments (Square), Figma.

iVenture, Full-time Student Fellow   Summer 2020

Gies College of Business' Accelerator, *iventure.illinois.edu*

Participated as a paid fellow in cohort 6 of the iVenture Accelerator program for top student startups. **Received** more than $10K in funding to work on early-stage startups.

Other Experiences

President, *Illini Cycling Club* (current)
Unity Developer, *aslaspire.web.illinois.edu* (Aug 2021 - Feb 2022)
Assistant, *Prof. Helaine Silverman* (Nov 2020 - Dec 2021)
Website Admin, *railtec.illinois.edu* (Aug 2020 - Dec 2021)
Staff Photographer, *The Daily Illini* (Aug 2020 - Dec 2021)
Full-stack Developer, *Caramella* (Jan 2019 - Aug 2019)

Side Projects

UIUC Degree Planner: Web app for UIUC students to plan classes they want to take to finish their degree. This app aggregates data from four different datasets to help inform students on what classes to take based GPA distribution and professor ratings.
Raft: An e-commerce platform for social merchants, built with React Native.
Pathfinder: Breadth-first search on a grid visualizer.

Skills

Tools/Languages: (Proficient) HTML/CSS, JS (ES6+), React, Redux, GraphQL, Node.JS, Flow, TypeScript, ReScript, Jest, Git, AWS, MySQL, Python, Matlab. (Familiar): Vue, Angular, Hack (PHP-ish), Haskell, Rust, Elm, Java, C++, Docker, Web Assembly.
Software: Figma, Sketch, Android Studio, Adobe Creative Suite.
Process: Remote work, bug bashing, dogfooding, debugging, agile