

# Abe Baali

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## Education

Bachelor of Science in Aerospace and Computer Science  
University of Illinois at Urbana-Champaign

GPA: 3.77 (on the Dean's List)  
Expected 2023

**Relevant courses:** Intro to CS Freshman Honors, Computer Architecture, Data Structures, Discreet Structures, Computer-Aided Design, Computational Theoretical Applied Mechanics, Computational Linear Algebra (Python).

## Work Experience

### **Software Developer and Head of Design, Karma Trade (startup)**

**March/2020 - Present**

A sustainable fashion swapping service with online and physical retail (129 N Race St, Urbana. [karmatrade.shop](http://karmatrade.shop))

- Working on developing an online cloth swapping platform, complete with a virtual currency, and a fully-fledged e-commerce platform set to launch in Fall 2020.
- Developed a complete web-based system for swapping clothes, managing inventory, and checking out customers for a physical retail location in Urbana, IL.
- Designed the brand identity, marketing material, online content, and UI/UX for web applications.
- Utilized: Javascript, React, Node, Git, Firebase, Web Payments (Square), Figma, Adobe Illustrator.

### **Full-time Student Fellow, iVenture Accelerator**

**May/2020 - May/2021**

An educational accelerator for top student startups at UIUC (Gies College of Business. [iventure.illinois.edu](http://iventure.illinois.edu))

- Participated as a full-time paid student fellow in cohort 6 of the iVenture Accelerator program.
- Spent summer 2020 engaging in workshops, attending lectures, and talks by entrepreneurs, VCs, professional services firms and esteemed faculty from the university.
- Received more than \$10K in funding to work on early-stage startups and utilized it to find product-market fit, build prototypes, build key partnerships, and hire employees.

### **Software Developer, Caramella**

**September/2017 - May/2019**

An online publishing platform that's focused on creating beautiful custom designs (Jeddah, SA. [caramel.la](http://caramel.la))

- Worked in a product team of three to design and develop a browser-based page interactive design tool from scratch, using a full JavaScript stack.
- Developed a complete digital subscription and billing service in partnership with a Saudi Arabian bank.
- Insured platform stability during a period of 120% growth per month by converting the entire code base to TypeScript and in the process writing hundreds of unit, snapshot, accessibility, and performance tests.
- Utilized: Javascript, AWS, MongoDB, Jest, GraphQL, TypeScript, SVG animations, DNS.

## Side Projects

**Launch Schedule:** Web app displaying upcoming rocket launches around the world, based on the Launch Library API. Supports PWA features and acts like a native app on Android.

**Raft:** E-commerce platform for social merchants to simplify the purchasing process.

**Pathfinder:** Breadth-first Javascript pathfinding algorithm with visualization.

## Technical Skills

**Tools/Languages:** (Proficient) React, Redux, React Native, TypeScript, Node, Jest, Git, AWS, GraphQL, Matlab.  
(Familiar): Haskell, Rust, Java, Python, C++, Docker, Angular.

**Programs:** Android Studio, Siemens NX 12, Adobe Creative Suite (except audio apps), Sketch, Figma.