Abe Baali

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Education

Bachelor of Engineering in Aerospace and Computer Science
University of Illinois Urbana-Champaign
Expected 2023

Relevant classes:

- CS 125: Intro to Computer Science
- CS 196: Project Based Freshman Honors
- CS 173: Discrete Structures
- AE 199: Computer-Aided Design

Work Experience

Javascript developer, Caramel.la - September/2017 - May/2019
Worked in a product team of three to design and develop a website maker from scratch, using a full JavaScript Stack. My responsibilities included working in the front-end and back-end of new features and supporting ongoing infrastructure maintenance.

Intern, Abde3 Incubation Center - May/2017 - July/2017
Worked with local startups, mainly as a UX/UI designer. And helped organize events to connect people in the tech sector.

Side Projects

Camera Guided Remote Car (CS 196: Honors FA19):
Worked in a team of six students to teach a small remote controlled car to drive within a track using the camera input only. Implemented using a TensorFlow machine learning model to enable the first phase of full self-driving abilities.
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 with simple and intuitive shopping experiences.
Pathfinder: Breadth-first Javascript pathfinding algorithm with visualization.

Technical Skills

Tools/Languages: React, Redux, React Native, TypeScript, Node, Haskell, Java, Git, Python, Docker, Angular, AWS, GraphQL, MySQL
Programs: Android Studio, Siemens NX 12, Adobe Photoshop & Premiere, Sketch, Figma