

KYLE ICBAN

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Education

University of California, Los Angeles

Expected June 2022

B.S. Applied Mathematics · Computing Specialization

GPA: 3.8

Courses: Data Structures, Algorithms, Optimization, Graph Theory, Probability Theory

Dean's List: Winter 2019, Spring 2019, Spring 2020, Fall 2020

Work Experience

Atlassian

San Francisco, CA

Frontend Engineer Intern

- Will contribute in 2021

PeachPay, Inc.

Des Moines, IA

Frontend Engineer & Design Intern

August 2020 - December 2020

- Lead a project to redesign the company website at peachpay.app to attract more users and businesses
- Built a new user interface and a more extensive unit testing infrastructure for the **mobile app**
- Reorganized the app layout for a better customer experience, increasing user engagement by 20%
- Redesigned visual assets including logos, graphics, and promotional artwork

Enfinite Technologies

Los Angeles, CA

Full Stack Engineering Intern

August 2020 - October 2020

- Developed a dashboard to post data into DynamoDB, allowing clients to submit their own data
- Initiated a login authentication feature to track and save the data a client submits
- Built database infrastructure and wrote APIs for multiple projects
- Programmed a custom plugin to better handle large amounts of data on Grafana

MIT Press

Cambridge, MA

Graphic Designer

April 2020 - July 2020

- Worked with Professor Achuta Kadambi and Professor Ayush Bhandari to design figures for their textbook
- Communicated with the research group to confirm that the scientific information is accurate
- Depicted complex scientific topics in each figure, such as Rayleigh scattering and birefringence

Projects

Generative Art

- Wrote code to autonomously generate artwork like **polygons**, **bubbles**, and **spirals**
- Used the p5 library in Javascript and turtle library in Python

Dungeon Delver

- Created an adventure game ran on the console using C++ (**.exe available for download on GitHub**)
- Demonstrated knowledge of object oriented programming, recursion algorithms, and class inheritance

Sports Store Application

- Developed a **data store** mimicking a company website, from browsing products to the checkout process
- Integrated Routing, REST API, and Pagination using React

Skills

Languages: JavaScript, Typescript, Python, C/C++, SQL, HTML, CSS, LaTeX

Frameworks/Tools: React, React-native, Node, Express, DynamoDB, MongoDB, Bootstrap, Git, Linux