

Karim Benyassine

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EDUCATION

University of California, Santa Barbara

Bachelor of Science in Statistics and Data Science

Santa Barbara, CA

Oct. 2020 – June 2024

- Cumulative GPA: 4.0
- Relevant Coursework: Linear Algebra, Vector Calculus, Principles of Data Science with R

EXPERIENCE

Software Engineering Intern

June 2020 – December 2020

Palace Luxury Properties

Irvine, CA

- Configured an Amazon S3 bucket in AWS that stored high quality images of properties which were then displayed for customers on the consumer website.
- Implemented a client and reservation search internal tool using React where property managers can filter and search client information and reservations of properties that they own.
- Continuously opened communication between property managers and customers through search internal tool.

Research Intern

June 2019 – August 2019

AONDevices

Irvine, CA

- Ran speech recognition regression tests on Field Programming Gate Arrays under various noise conditions.
- Converted audio data augmentation algorithms from Matlab to Python using NumPy and Matplotlib for faster performance.
- Checked Python and Matlab algorithms for bit exactness by comparing the mean squared error of their outputs.

PROJECTS

Amazon Price Detector App | *JavaScript, React, Express.js, Node.js, MongoDB, Puppeteer*

- Programmed a full-stack web application with a RESTful API using Node.js and with React as the front end.
- Designed a form that allows users to input their email and a link to an amazon product to send the user an email when the price of the product drops.
- Developed a cloud database with MongoDB to hold user data and send data to a web scraper using the puppeteer library.

Beckman High School App | *JavaScript, React, Express.js, Node.js, MongoDB*

- Created a virtual id UI in the student profiles of Beckman High School as an alternative for checking out library books, buying school dance tickets, and checking out of school with permission.
- Programmed a Sign-in and Reset Password page with authentication to secure privacy for admins who wish to verify or deny a student's digitized id.

ORGANIZATIONS/LEADERSHIP

Software Engineering Volunteer

June 2019 – March 2020

HackerCrunch

Irvine, CA

- Tutored freshman and sophomore high school students basic web development skills including HTML, CSS, React, and Node.js.
- Created pro bono student-run apps to help Irvine high schools under mentorship from Amazon and Affirm software engineers.

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, HTML, CSS, R

Frameworks: React, Node.js, Express.js, MongoDB

Developer Tools: Git, VS Code, Visual Studio, Eclipse

Libraries: pandas, NumPy, Matplotlib, Puppeteer, Beautiful Soup