

# ETHAN IKEGAMI

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## EDUCATION

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### University of California, Berkeley

Bachelor of Arts in Computer Science and Data Science

May '24

gpa: 3.9

## EXPERIENCE

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### Sports Quiz

May '20 — Now

Full Stack Engineer — React, Node, Express, MongoDB, Typesense

- Created an interactive [sports website](#) using TypeScript, Tailwind, & NextJS with incremental static regeneration
- Built the [quiz application](#) using MERN stack to do CRUD operations efficiently and track user interactions
- Reached over 315K users, 5M pageviews, and served more than 16.5M ad impressions during the site's lifetime
- Generated traffic by growing an [IG account](#) to 110K followers using an automated content curation process

### The Daily Californian

Aug. '21 — Now

Web Developer Intern — React, NextJS

- Port the current website, which has more than a million monthly visitors, from WordPress to React using NextJS
- Queried content from WordPress by building custom PHP APIs allowing writers to use a familiar CMS interface
- Researched header bidding with the PrebidJS wrapper and Google Ad Manager to maximize ad revenue

### CoreVest Finance

Jun. '21 — Aug. '21

Data Science Intern — Python, RegEx, OCR, Pandas, NumPy, Scikit-Learn

- Built a profile for their primary clients using collected data to help identify prospects and generate leads
- Converted previously inaccessible data in thousands of scanned PDFs into usable data for exploration/analysis
- Developed a Random Forest Classifier to predict loan status months into the future with 97.2% accuracy which optimized the loan process by allowing CoreVest to handle each client differently

## PROJECTS

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### Gitlet — Java, Directory Manipulation, Serialization, SHA-1

Coded own [version control system](#) that mimics features of Git: add, commit, rm, log, find, status, branch, merge

### Jumping Cube — Java, JUnit, Graphics2D

Built from scratch a [two-person game](#) which includes an AI that uses the minimax algorithm and alpha-beta pruning

### Scheme Interpreter — Python

Built an interpreter for the Scheme language using Read-Eval-Print method that detects keywords and symbols

### Enigma Machine — Java, JUnit

Engineered a substitution cipher that encodes/decodes messages given initial permutation configurations

### Uber Project — Python, Pandas, GeoJSON, Scikit-Learn, Seaborn

Analyzed COVID lockdown impact on traffic and [rebuilt Uber's time series model](#) achieving an RMSE of 2.11 seconds

## SKILLS & AWARDS

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Python, Java, HTML, CSS, JavaScript, SQL, NLP, TensorFlow, Scheme, Matplotlib, REST APIs, Seaborn, JSX, Axios, PCA, NLTK, Spacy, Mongoose, Salesforce, Excel, Firebase, Heroku, Figma, Illustrator, Photoshop, Postman, PM2

### Boy Scouts of America

Eagle Scout