

# BULENT SARP YESILYURT

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## EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA

September 2022

Computer Science, BS

- GPA: 3.7/4
- Relevant Coursework: Introduction to Computer Science, Data Structures and Algorithms, Computer Architecture, Software Construction, Deep Learning for Computer Vision, Linear Algebra, Real Analysis

## EXPERIENCE

Kommu Inc. | Software Consultant

December 2023 - February 2024

- Implemented robust User authentication logic through email and password or phone number using Firebase and Node.js on backend and React.js on frontend for web portal
- Developed user authentication via phone number using Firebase on iOS, implemented in Swift, working with ViewModel-Model (VMM) architecture
- Improved efficiency of database operations such as account retrieval(reduced time by 80%).

Tailwind Wealth Management LLC. | AI/ML Solutions Intern

June 2023 - August 2023

- Identified and Streamlined AI/ML solutions to business practices such as analyzing consumer feedback and inputting repetitive data using techniques such as Linear Regression and Neural Networks
- Developed detailed reports outlining methodologies, training scheme and model architecture of solutions and presented to company leaders
- Constructed and tested robust trading algorithm leveraging dynamic portfolio balancing using python (matplotlib, numpy, yfinance)

## PROJECTS

BruinRide | Developer

September 2023 - Present

- Designed and implemented a web app using Firebase, Node.js, and React.js, to allow students to form rideshare groups on their way to LAX
- Developed firebase cloud functions on backend and used Firebase OAuth protocols SDKs to allow Users to sign in with Google or email and password
- Incorporated Firebase's Realtime Database, Authentication, and Firestore Databases to persistently store User data and to form rideshare groups

TravelBrain | Developer

April 2023 - April 2023

- Designed a website with fellow Team Members called "TravelBrain", for LA Hacks 2023. Utilized ChatGPT AI and the Embedded Google Maps API to recommend trip itineraries to users
- Utilized MERN (MongoDB, Express.js, React.js, Node.js) stack to design frontend and backend, and to transfer data with the MongoDB database
- Constructed User Authentication using bcrypt.js, axios, and React

PnetPhlix | Developer

February 2023

- A Movie recommender written in C++. It loads users and movies text files and stores both in a custom binary tree data structure uses a custom iterator class. The actual recommendation process leverages the use of vectors.

EnrollBot | Developer

February 2024

- A bot created with Selenium and Python that navigates through UCLA course webpage to help enroll in classes

## SKILLS

- Languages: English (Native), Turkish (Native)
- Technical Skills: C++, Python, C, JavaScript, Node.js, React.js, SQL, Swift, MongoDB, Firebase, Linux, HTML, CSS, OpenMP, Git, PyTorch, Google CoLab, Vim, Emacs, Selenium

## LINKS

<https://www.linkedin.com/in/bulent-yesilyurt-40614422b/>

<https://github.com/bulenty584>