Vuk Perisic

(714) 746-8177
v_perisic@berkeley.edu
https://vukperisic.github.io/my_website/
linkedin.com/in/vuk-perisic-794432248/

Education

University of California, Berkeley Expected 2024
Bachelor's Degree in Computer Science

Coursework: Data Structures and Algorithms, Database Systems, Optimization Models, Introductory Machine Learning, Machine Structures, Efficient Algorithms and Intractable Problems, Discrete Math and Probability

Experience

Software Developer **Aug 2022 — Present**
PlexTech (Student Consulting Organization) *Berkeley, CA*

- Worked on 7-developer team to build a mobile ticketing app for Hudl client project
- Utilized standups, planning sprints, and Trello posts to communicate with client team on product spec and consistently meet biweekly deadlines for deliverables with final presentation to stakeholders
- Developed user interface for accessing sports event info and managing tickets (React Native/Expo)
- Employed Cloud FireStore API to dynamically load and filter event data from Firebase back end across 5 features

Researcher **Jan 2023 — Present**
Cloud at Cal *Berkeley, CA*

- Using AWS EC2, S3, and SageMaker to set up cloud infrastructure for scraping over 1 terabyte of audio, visual, and text data from YouTube API for use in multimodal machine learning project

Software Engineer Intern **May 2022 — Aug 2022**
Intern Pursuit *Orlando, FL*

- Carried out audit of 6 new platform features and coordinated with 3 intern teams on resolution of 14 documented bugs
- Created API endpoints (Express/Node.JS) to integrate front end features with MongoDB data flow and enable processing of user info
- Developed interactive UI components (React.JS) following Agile workflow

Academic Intern **Jun 2022 — Aug 2022**
University of California, Berkeley *Berkeley, CA*

- Assisted 30 students in lab section 2x a week with debugging and conceptual questions related to data structures and algorithms coursework
- Reviewed weekly assignments to prepare for explanation of lecture topics and clarification questions

Undergraduate Research Intern **Feb 2022 — May 2022**
Wonderfil *Riverside, CA*

- Organized migration of project data onto the cloud using InfluxDB pipeline
- Developed program that sends updates on smart refill station product levels to NoSQL cloud database using InfluxDB API, saving 6 hours a week of manual data processing and enabling live monitoring of company network

Projects

PlexTime
- Web app that displays grade distributions and student reviews for UCB courses and professors
- Developed CRUD-capable back end (Flask/MongoDB)
- Created interactive components for user registration, reviews, and ratings (React.JS)

B+ Tree
- Implemented a B+ tree that maps key values to RecordId values, which identify a record on a page, from scratch in Java
- Includes functionality for recursively splitting nodes after inserts, growing the tree from the root, bulk loading, and lazy scans
- Learned about how B+ trees reduce disk accesses, perform efficient range search, and have minimal height/high fan-out

Skills

Languages: JavaScript, Python, Java, C, HTML5, CSS
Tools: React, Figma, MongoDB, AWS, Firebase, Github, Expo, Node.JS, VS Code