

# Vuk Perisic

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY

Expected 2024

Bachelor's Degree in Computer Science

- Coursework: Data Structures & Algorithms, Database Systems, Introduction to Machine Learning, Optimization Models, Efficient Algorithms & Intractable Problems, Machine Structures, Discrete Math & Probability

## EXPERIENCE

### SOFTWARE DEVELOPER

Aug 2022 - Present

PLEXTECH (STUDENT CONSULTING ORGANIZATION)

- Collaborated with team of 6 developers to develop a mobile ticketing app for client company Hudl
- Mobile UI/UX - Designed and implemented the user interface for accessing sports event information and managing tickets (React Native/Expo/Figma)
- Firebase - Utilized Cloud Firestore API to dynamically load and filter data from Firebase back end
- Deliverable - Met biweekly deadlines over 3-month period and consistently communicated with client team via regular standups, planning sprints, and Trello posts, resulting in successful delivery of the project

### RESEARCHER

January 2023 - Present

CLOUD AT CAL (PROJECT CLIP)

- AWS Deployment - Utilized AWS SDK to set up cloud infrastructure for efficiently scraping and processing over 1 terabyte of video data from YouTube API
- Serverless Architecture - Minimized downtime by automating scaling of EC2 and S3 resources based on workload using Lambda functions with CloudWatch alarms

### SOFTWARE ENGINEERING INTERN

May 2022 - Aug 2022

INTERN PURSUIT

- Testing - Conducted audit of 6 new platform features and successfully coordinated with 3 intern teams on resolution of 14 documented bugs, helping to bring company web application to full functionality
- Back End - Created API endpoints (Express/Node.JS) to connect front end features with MongoDB data flow and enable updates and autofill of user information
- User Interface - Developed interactive UI components (React.JS) under Agile workflow

### ACADEMIC INTERN

June 2022 - Aug 2022

UNIVERSITY OF CALIFORNIA, BERKELEY

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

### RESEARCH INTERN

Feb 2022 - May 2022

WONDERFIL

- Cloud Migration - Developed a pipeline to convert smart refill station data to InfluxDB-compatible format and transfer to NoSQL cloud database, ensuring compatibility with InfluxDB analytics tools as part of company transition to the cloud

## PROJECTS

### PLEXTIME

- Web application that allows UCB students to post and read reviews for UCB professors and courses
- Developed CRUD back end (Flask/MongoDB), interactive components for user registration and reviews (React.JS)

### B+ TREE

- Implemented B+ Tree from scratch in Java with functionality for recursively splitting nodes, growing from the root, bulk loading, and lazy sequential scans
- Explored B+ Trees' sequential disk accesses, efficient index range search, self-balancing, and high fan-out