Vuk Perisic

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Education

University of California, Berkeley **Expected Graduation: May 2024**
Bachelor's Degree in CS **GPA: 3.65**

Relevant Coursework:
Data structures and algorithms in Java, computer architecture (programming in C and RISC-V assembly), discrete math and probability, linear algebra and circuits, Python programming, introductory data science (A/B testing, k-means classification)

Skills

Languages: Python, Javascript, C, Java, HTML/CSS
Tools: React, Node, Flask, MongoDB, Pandas, Numpy, InfluxDB

Experience

Data Science Research Intern **Spring 2022**

- Working with Wonderfil startup team to analyze and display data from automated refill stations
- Developed py2exe script for sending data from CSV files to InfluxDB line protocol as JSON object

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Projects

Skills-Based Matching App **Spring 2022**

- Currently developing a web app that matches users based on skills they want to learn and skills they are able to teach
- Creating interactive front-end in React using hooks and functional components
- Implementing real-time user chat with Socket.io and changeable search radius with IP Geolocation API

Plitter **Spring 2022**

- Working with team of 5 on a web app that shows past grading distributions and student reviews for professors teaching classes at UC Berkeley
- Building back-end that performs CRUD on professor/class data with Flask and MongoDB
- Implementing user authentication and profile creation for student commenters, data visualization for grade distributions

eBay University Machine Learning Competition **Fall 2021**

- Developed machine learning model to predict delivery date of a package based on past seller shipping information using XGBoost and scikit-learn libraries
- Prepared real-world dataset containing 2.5 million entries, missing values, and incorrect data in some cases for analysis using Pandas
- Placed on leaderboards with team of 4

BeachHacks **Spring 2021**

- Won 1st Place and Best Interdisciplinary Hack in BeachHacks competition
- Worked with team of 5 to develop Leetcards, an app that takes in a picture of the user's code as input, runs it through test cases, and returns whether it is a valid solution to a given problem
- Wrote back end code that applied Pytesseract library to convert a picture of Python code to text, addressed formatting errors, and ran the user's code through test cases