Calvin Yan

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- Berkeley, CA

EDUCATION

University of California, Berkeley

B.A. in Computer Science

Relavant coursework: Data Structures, Computer Architecture, Algorithms, Databases, Machine Learning In progress: Computer Security, Operating Systems

SKILLS

Languages: Python, Java, Kotlin, C, Golang, Typescript, Javascript, SQL, MATLAB, HTML/CSS, Tools/Frameworks: OpenCV, Pandas, Android Studio, Tensorflow, Docker, LaTeX Miscellaneous: Robotics, CS teaching, leadership, public speaking, machine learning, Mandarin

EXPERIENCE

Software Engineer Intern | Atlassian

- Identified and implemented a crucial feature in an authentication microservice with three hundred million requests a day of projected traffic (Kotlin)
- Demonstrated first integration of authentication cloud infrastructure with Atlassian's internal sandboxing tool •
- Wrote and validated comprehensive integration tests for user session token CRUD interface (Typescript) •

President | Unmanned Aerial Vehicles @ Berkeley

- Assuming recruitment, onboarding, and software management roles after a near complete leadership overhaul •
- Piloted education and member engagement initiatives to sustain interest in a remote learning environment •
- Reduced member turnover rate from 100% to ~20% in a single semester •
- Implemented proof-of-concept algorithms to classify geometric shapes, identify possible orientations of alphanu-• merics, and simulate testing data (Python, OpenCV)

Undergraduate Research Apprentice | CAHL Lab

- Investigating educational data mining approaches to various educational prediction tasks •
- Integrated experimental course2vec data embedding scheme with traditional regressors to predict course pre-• requisite relationships

Biomedical Machine Learning Intern | Stanford Department of Radiology

- Developed a random forest classifier to predict the progression time of advanced macular degeneration from feature-extracted 3D retinal scans (MATLAB)
- Compiled academic research papers on related classification pipelines as a baseline of comparison ۲
- Surpassed baseline performance with an area under the receiver operating characteristic curve of 0.92

PROJECTS

OCR in Esports Analytics

- Retrained an OCR model to mine textual data from fighting game match footage with near perfect accuracy (Python, OpenCV)
- Conducting exploratory data analysis over several thousand processed matches (Python, Pandas) ۰

Gitlet | Final Course Project for CS61B (Data Structures)

- Designed and implemented a skeletal version control system from scratch (Java)
- Provides support for basic command suite in addition to branching and merge conflicts •

Aug 2019 - May 2023 GPA: 3.94/4.00

May 2021 - Aug 2021

Sep 2019 - Present

Aug 2019 - Present

Feb 2021 - Present

Apr 2017 - Oct 2017

Apr 2020