AANAND KAINTH

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ *Santa Cruz, CA*
Bachelor of Engineering *Expected June 2024*
Major in Computer Science;
Cumulative GPA: 3.97/4.0; Dean's List 2020-2021
Relevant Coursework: Digital logic and MIPS assembly, discrete math, Python abstractions, linear algebra

LYNBROOK HIGH SCHOOL *San José, CA*
AP Scholar with Distinction, founded machine learning club, co-president web development *June 2020*

WORK EXPERIENCE

Plume Design, Inc. *(Mesh network provider for Xfinity)* *Palo Alto, CA*
Software Engineering Intern *Jun 2021 - Sept 2021, Jun 2019 - Aug 2019*
- Upgraded the networks operations center to ECMAScript6, reducing template code by ~5%
- Overhauled charting system in the operations center to improve accessibility, and halve load times to 1.2s, with vocal support from users.
- Integrated support for CORS headers to 3 microservices to increase security for proprietary endpoints.

Facebook AI Research. *(VISSL, Contracted through Major League Hacking)*
Software Engineering Intern *Feb 2021 - April 2021*
- Refactored the internal logging system, resulting in ~30% less code churn in pull requests
- Implemented learning rate scaling to reduce training time by 10%
- Augmented existing logging to allow for easy integration with other software tooling like *matplotlib*

BentoML *(Contracted through Major League Hacking)*
Software Engineering Intern *Jun 2020 - Aug 2020*
- Developed support for PySpark's ML and MLlib frameworks, addressing an issue with 5 supporters
- Coordinated with maintainers to ideate and realize a new design for adapters, resulting in 40% less code required for a typical pull request

ACTIVITIES

UCSC Rocket Team *Santa Cruz, CA*
Vice President *Sep 2020 - Present*
- Designed an embedded flight path prediction model
- Trained, and led a team of 4 to implement the software requisite for using the model to deploy fins in flight
- Coordinated onboarding events and presentations, reaching 200 unique students

UNIVERSITY PROJECTS

Concept *Google Docs Writing Analysis*
- Designed and created a Google Docs add-on to perform and suggest improvements to 11 different metrics relevant to writing, including sentiment, emotions, contradiction, and sentence variance.

Ambient *IntelliJ IDEA extension*
- Migrated 2 key Eclipse capabilities from antiquated plugin used in high school coursework
- Used by class of ~60 students annually

ADDITIONAL

Technical Skills: Embedded software with CircuitPython, web servers (Node.js, Java, Kotlin), React, HTML/CSS/JS, Python, Unix/Linux, Git
Awards: Top 3 at various hackathons with projects Classboard, Thruster, Mouz (Over 200 participants)