Ashvin Nagarajan

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Education:

University of California, Los Angeles (UCLA)

M.S. Materials Science and Engineering	GPA: **4.00** / 4.00	Jan 2021 – June 2022
B.S. Materials Science and Engineering	GPA: **4.00** / 4.00	Sept 2018 – June 2022

Work Experience:

Microsoft | Software Engineering Intern   Summer 2021

C#, API Design, Cosmos DB, React, Typescript, Substrate, Azure, Scrum

- Implemented smart meeting suggestions algorithm on Outlook Scheduling for optional attendees
- Designed and implemented React changes to show meeting suggestions to users
- Deployed solution to dogfood and launched A/B testing flights to compare user behavior
- Created telemetry monitoring dashboards to track utilization metrics and logs to assist debugging

Cisco Systems | Software Engineering Intern   Summer 2020

Python, Flask, Grafana, InfluxDB, AWS, Docker, Kubernetes, Helm, Prometheus, Prophet API, Jira, Scrum

- Created API to scale containers dynamically based on reactive and predictive machine learning
- Integrated logging metrics with Prometheus and deployed application to testing Kubernetes cluster
- Gathered design requirements and communicated between teams in San Jose and London
- Developed debug tool to analyze audio routes for more efficient cascade error identification

Bruin SuperMileage Electric | President   2018 – *

Python, C++, Figma, React, PCB Design, Arduino, FEA, Jira, Agile, Project Management

- Designed and manufactured electric vehicle with 130+ mi/kwh, 50x better than Tesla Model 3
- Developed vehicle data acquisition system w/ embedded sensors for real time vehicle analysis
- Implemented real-time driver interface to monitor and analyze data on the cloud
- Directed operations of subsystem leads and oversaw 50 engineers with 10+ concurrent projects

Heal | Product Management Intern   Spring 2021

Metabase, SQL, Android, Scrum, Jira, Product Management, Requirements, User Stories. UI/UX

- Defined requirements and user stories for Adherence Alerts on Remote Patient Monitoring product
- Designed multi-step, at-home user experience and interface for Medicare-age target demographic
- Collaborated with Engineering and Design to clarify requirements and get stakeholder buy-in
- Created Metabase/SQL dashboards to model telemedicine call durations and memory utilization

Skills:

Python, C, C++, C#	React, Redux, JavaScript, TS
Git, Agile, Scrum, Jira	Docker, Kubernetes, Helm, AWS
SQL, InfluxDB, Grafana, Firebase	MCUs and Embedded Systems
SolidWorks, NX, Ansys, StarCCM	Product Management

Awards and Honors:

UCLA Departmental Scholar	UCLA Sharpe Fellow
1st Place IdeaHacks Hackathon	Eagle Scout – Boy Scout Troop 6
1st Place Booz Allen Summer Games	Published author – 2020 IEEE ECTC
Valedictorian of JCHS Class of 2018	Disney Imaginations Semifinalist