Zain Dahdul

zaindahdul@berkeley.edu | LinkedIn | https://github.com/zaindahdul | zaindahdul.website | U.S Citizen

EDUCATION

University of California, Berkeley ***Berkeley, CA***

B.S. Mechanical Engineering; Electrical Engineering and Computer Sciences | *GPA*: 3.7/4 Expected: *May 2029*

- Relevant Coursework: Programming & Numerical Methods, Linear Algebra & Differential Equations, Multivariable Calculus, Solid Mechanics, 3D CAD & Prototyping, Physics for Engineers I & II
- Activities: Entrepreneurs at Berkeley; Space Enterprise at Berkeley (Sub team: Avionics)

Millikan High School ***Long Beach, CA***

- QUEST Program | Valedictorian (Gold Robe Award)| | 4.8 GPA W: 4.0 UW

PROFESSIONAL EXPERIENCE

Archangel Health (YC F26) **Berkeley, *CA***

Post-Training & Evaluations Intern *June-Aug 2026*

- Built RL environments to post-train LLMs on clinical tasks, with rewards grounded in physician feedback
- Designed evals with physician-annotated data to measure LLM clinical accuracy and safety

Precision Rehabilitation ***Long Beach, CA***

Clinical Technology Intern *2026*

- Logged L300 parameters across sessions to support clinician assessment of patient and treatment adjustment
- Tuned stimulation intensity and timing through a tablet interface during live gait training sessions

PROJECTS

Vellum: AI Medical-Bill Advocate | *TypeScript, ElevenLabs, Context.dev, Fly.io* ***Berkeley*, CA**

Winner, ElevenLabs Track – Blockchain at Berkeley Hackathon ***Oct 2026***

- Won the ElevenLabs track with an AI advocate that audits hospital bills, catching an avg. 27% in errors
- Built research layer: pulled Medicare & hospital prices, keeping only verbatim-cited .gov sources 500+ tests
- Team built two Claude Haiku voice agents that negotiate bills live, with spending caps enforced in code

Tipsy ***Berkeley*, CA**

Co-Founder | React Native, Firebase ***2025***

- Founded, built and shipped a social drink-tracking iOS app, now live on the App Store for college students
- Designed the UI and core features: friend groups, live leaderboard, safety alerts and a hangover score

Wind Turbine ***Berkeley*, CA**

4-person Team ***2025***

- Designed and 3D-printed a 140.7g wind turbine achieving 1.242W output and 12.4 N/mm stiffness
- Ran SolidWorks FEA to predict tower deflection, then validated predictions against physical load testing

LEADERSHIP EXPERIENCE & ACTIVITIES

Entrepreneurs at Berkeley ***Berkeley, CA***

Technical Builder ***2026***

- Startup founder incubator (7 YC companies, $45M+ raised); 12-week build sprints with alumni mentors

Space Enterprise at Berkeley ***Berkeley, CA***

Sub team: Avionics ***2026***

- Built sensor data-collection pipelines; validated telemetry integrity from flight to ground

Millikan Robotics Club ***Long Beach*, CA**

President and Founder ***2023 – 2025***

- Independently secured over $2,000 in funding, built and tested VEX robots

SKILLS

Languages: Python, Go, C/C++, Java, TypeScript/JavaScript, Rust, SQL, MATLAB, HTML/CSS

Backend & AI/ML: FastAPI, Node.js, PyTorch, TensorFlow, OpenCV

Technical: SolidWorks(3D CAD, Finite Element Analysis), OpenCV, Data Analysis; Languages: Spanish

INTERESTS

Surfing | Backpacking | Cooking | Pickleball | Concerts | Snowboarding | Electronics | Traveling