

ABHI UPADHYAY

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EDUCATION & COURSEWORK

UC Berkeley - Management, Entrepreneurship, & Technology Program	Expected June 2023
Dual Degree: B.S. Electrical Engineering & Computer Science/B.S. Business Administration	
<i>Related Coursework in Progress:</i> CS 61A: Structure & Interpretation of Computer Programs, EE 16A: Designing Information Devices and System I, CS 195: Social Implications of Computer Technology, MATH 53: Multivariable Calculus	
Mission San Jose High School, Fremont, CA	2015 – 2019
<ul style="list-style-type: none">GPA: 3.98 unweighted, ACT: 36DECA & Business Club Chapter President, AP Computer Science Teaching Assistant, Varsity Soccer	

RELATED EXPERIENCE

lastbit, Berkeley, CA	Oct. 2019 - present
Software Engineering Intern	
<ul style="list-style-type: none">Build open-source tools to accelerate cryptocurrency adoption using Node.js & React	
G & L Development Firm, Fremont, CA / Detroit, MI	Aug. 2017 – Jul. 2018
Co-Founder, Lead Developer	
<ul style="list-style-type: none">Generate development plan for 10+ developer team with client requirements and timeline.Develop and ship app for affiliate partner of Saks Fifth Avenue.	
Sproute Networks, Milpitas, CA	Jun. 2017 – Aug. 2017
Software Engineering Intern	
<i>Silicon Valley startup building enterprise SD-WAN networking solutions</i>	
<ul style="list-style-type: none">Generate primary API using Swagger API specification tools and generate documentation for REST API.Build test cases for network topology and scaling in Ruby based on client requirements.	
Altum, Fremont, CA	Nov. 2017 – Aug. 2018
Power outlet adapter to reduce standby power losses	
<ul style="list-style-type: none">Research project to determine methods to reduce standby power loss using machine learning.Achieved 61% reduction in standby power use. Patent Pending (NO. 62/615,733).	
Vector Video Compression Research, Fremont, CA / Cambridge, MA	Nov. 2016 – Jun. 2017
Research project to compress standard videos through vector-based motion tracking	
<ul style="list-style-type: none">Architect video codec to compress simple, pixel-based video by converting frames to infinitely scalable vectors.Utilize OpenCV to model object motion with Bezier curves and compress the information stored.	

LEADERSHIP & ACTIVITIES

Altacode NorCal, Fremont, CA / Ahmedabad, India	Aug. 2016 – present
Co-Founder, Executive Director	
<i>501(c)(3) organization with a mission of bridging the digital divide</i>	
<ul style="list-style-type: none">Founded 501(c)(3) organization to provide tech access to underprivileged youth. Organized trip to Ahmedabad in 2018 to build 3 school computer labs with a community-fundraised \$10K. (altacode.org)	
WarriorHub, Fremont, CA	Jul. 2016 – Dec. 2017
Co-Founder, Lead Developer	
<i>Platform built to facilitate all club and school announcements</i>	
<ul style="list-style-type: none">Architect and manage mobile application. 1.2K active users at peak.Define features & market segment. Address iterative consumer feedback and manage product lifecycle.Facilitate version control, AWS, MySQL database, feature development, and server-side code.	

SKILLS

- Technology:* Python, C++, Java, ReactJS, React Native, PHP, AWS, JavaScript, Flask, Ruby on Rails, Swagger, AngularJS, Node.JS, OpenCV, HTML, SQL, MongoDB, Unix, Cryptocurrency

AWARDS & ACHIEVEMENTS

- Chevron Education Award, \$1,000 fund (March 2018)
- Yale Science & Engineering Award for Most Outstanding Exhibit (March 2018)
- Alameda County Science & Engineering Fair 1st Place and State Qualifier (February 2018)
- TSA Tests of Engineering Aptitude, Mathematics and Science (TEAMS) First Best in Nation – Mantis Shrimps (June 2017)
- MIT THINK Scholars 3rd Place (March 2017)
- USA Computing Olympiad Gold (January 2017)