DYLON TJANAKA

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EDUCATION

University of California Los Angeles · Los Angeles, CA ⸱⸱⸱ Sept. 2019 - Jun. 2023
B.S. Computer Science · Level: Junior
- Recent courses: Introduction to Computer Organization (CS33), Software Dev. Lab (35L)
- Upcoming courses: Operating Systems Principles (CS111), Programming Languages (CS131)

Bellarmine College Preparatory · San Jose, CA ⸱⸱⸱ Aug. 2015 - May 2019
High School · GPA: 4.375/4.0 · President of Bellarmine Speedcubing Club · President of Badminton Club

GRE Score: 168/170 (Verbal), 170/170 (Quantitative), 5.0/6.0 (Writing)

EXPERIENCE

Google, Inc. · Santa Clara, CA ⸱⸱⸱ June 2020 - Sept. 2020
STEP (Engineering Practicum) Intern
- Sped up mask creation for maps by 3x by creating a web application with two other interns
- Built a backend including a REST API to connect a non-SQL database to the frontend
- Full stack development in Google App Engine using Java with Angular framework, TypeScript, HTML, and CSS

Elegant Mind Collaboration · Santa Clara, CA ⸱⸱⸱ June 2020 - Sept. 2020
Undergraduate Researcher
- Researched the effect of horizontal eccentricity on human reaction time

IEEE at UCLA · Los Angeles, CA ⸱⸱⸱ Oct. 2019 - June 2020
Micromouse Member
- Implement motion controllers, odometry, and maze-solving in Micromouse robots (C/C++)

VEX Robotics Competition Team 86868: THE RESISTANCE ⸱⸱⸱ Apr. 2016 - Apr. 2019
Founder, Chief Programmer
- Implemented PID closed loop control for drivetrain and arm subsystems (C/C++)
- Integrated sensors into an absolute coordinate system for smart and consistent motion control
- 2017 VEX Robotics High School World Champion · Louisville, Kentucky

LEADERSHIP AND SERVICE

Google Girl-Powered VEX Robotics Workshop · Mountain View, CA ⸱⸱⸱ Jul. 2017, Aug. 2018, Jun. 2019
Speaker, Volunteer
- Introduced hundreds of middle school girls to VEX Robotics by helping them build and test their first robot

Presidential Ambassador ⸱⸱⸱ Jun. 2017 - May 2019
- Represented Bellarmine College Preparatory at events by welcoming visitors and speaking to groups

SKILLS

Programming: C++, C, Angular, JavaScript, Java, Python, Git
CAD: Fusion 360, Autodesk Inventor, Solidworks
Graphic Design: Adobe Illustrator, Adobe Photoshop, Adobe Premiere Pro
Languages: English (fluent), Mandarin (proficient)

HONORS

Citation from US Congressman Ro Khanna (17th District of California) ⸱⸱⸱ Sept. 2017
- Presented for winning High School Division of the 2017 VEX Robotics World Championship

ADDITIONAL INTERESTS

Speedcubing (solve Rubik's cube in <20 sec) **Origami** (paper folding)