

David Lee

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EDUCATION

University of California, Irvine, CA

June 2020 - Present

Major: Computer Science (Specialization: Intelligent Systems)

Activities:

- Artificial Intelligence at UCI, 2 years
- Association for Computing Machinery, 2 years

Selected Courses:

- CS 178: Machine Learning and Data-Mining
- CS 171: Introduction to Artificial Intelligence
- CS 122A: Introduction to Data Management
- CS 175: Project in Artificial Intelligence (Projected to take it in Fall 2022 quarter)

Edison High School, Huntington Beach, CA

Activities:

- President, Mu Alpha Theta, 2 years
 - Software Team Leader, Robotics Club, 2 years
 - Founder & President, Peer Tutoring Center, 2 years
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SKILLS

Computer Languages: Java, Python, SQL, C++, HTML, PHP (server-side), Assembly (elementary)

Software: Android Studio, SolidWorks, MySQL, Eclipse, Visual Studio Code, Apache Tomcat (elementary)

Foreign Languages: Korean (native)

PROJECTS

4DOF/6DOF Motion Simulator, Designer, Developer, and Sales Manager

July 2019 - Present

- Designed and developed new hybrid 4DOF/6DOF motion simulators using SolidWorks, lowering the cost tremendously (market price: ~\$20,000 vs. price: ~\$6,000)
- Use Thanos AMC controller to handle telemetry data from software and control actuators
- Place orders and manage imported goods from China (preparing for a start-up)

Mobile Application for Effective Advertising, Developer

April 2020 - Present

- Developed both front-end (mobile application) using Android Studio and back-end (web server)
- Store and process data in a database using a web server
- Developed a complete system between mobile applications, a web server, and a database
- (preparing for a start-up)

Navigation for the Blind, Designer and Developer

July 2019 - Present

- Using RFID and compass, provide navigation based on the user's precise location and direction
 - Used Android Studio to detect RFID tags and fetch corresponding data from a MySQL database
 - (Patent)
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EXPERIENCES:

Learning Assistant | University of California, Irvine | Irvine, CA

Sept. 2021 - Present

- Supported major required CS courses (as a head of the Learning Assistant team): "ICS 6B (Boolean Logic and Discrete Structures)" and "ICS 6D (Discrete Mathematics for Computer Science)"
- Helped, taught, and explained concepts to 1800+ students
- Held weekly office hours, staff meetings (with professor and TAs), and test review sessions

CS & Math Tutor | University of California, Irvine | Irvine, CA

March 2021 - Present

- Tutored lower- and upper-division courses: ICS 31-33 (Python), ICS 45C (C++), CS 178 (Machine Learning and Data-Mining), CS 171 (Artificial Intelligence), Math 2B (Single-Variable Calculus II), Math 3A (Linear Algebra)
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ACADEMIC ACHIEVEMENTS

- First Place, AMC 12, *Mathematical Association of America*
- Dean's Honor List, *University of California, Irvine*

May 2018

All quarters (Fall 2020 - Present)