

Kevin K. Le

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Education

University of California, Berkeley

08/17- 05/21

B.S. Electrical Engineering and Computer Science

Relevant Coursework: CS 61A The Structure and Interpretation of CS Programs Math 53 Multivariable Calculus
EE 16A Designing Information and Devices Systems I EE 16B Designing Information and Devices Systems II
CS 70 Discrete Mathematics and Probability Theory CS61B Data Structures

Irvine Valley College (CONCURRENT WITH HIGH SCHOOL)

08/16 - 05/17

Relevant Coursework : Basic Electric Circuits I

Basic Electric Circuits II

Awards

1st at NASA's World Space Settlement and Design Comp.
The American Rocketry Challenge National Finalist
Top 100 of 10,000 Individuals International Physics Bowl D1

AP + PLTW Student Achievement in Engineering
American Invitational Math Exam Qualifier
2nd Place Team International Physics Bowl D1

Technical Experience

Black Knight-- *Data Analytics and Software Development Intern*

05/18 - Present

- To be determined; starts May 21st.

Berkeley Nuclear Dep.'s Advanced Reactor Control and Operations--*CS/EE Engineer/Researcher*

01/18 - Present

- Design and develop UI/Applications to optimize operators' interactions with reactor controls and to automate some control processes through sensor data and machine learning/neural networks, using Java/Python and Labview.
- **Current Project:** Automate pressure sensing, imaging and analysis with two cameras, manometers, and Labview.

Berkeley Leadership Network, LLC--*Lead Full Stack Software Engineering Intern*

11/17 - Present

- Automate and build the database of investors and startups through back-end programming using Java.
- Develop the main website and user websites to for users to navigate through information using CSS/JS/HTML.

Berkeley Hyperloop-- *Electrical Controls Team (Hardware and Software)*

09/17 - Present

- Design sensors and actuators for critical control and safety protocols while collaborating with the mechanical team.

Cal Hacks-- *Team Captain*

10/17 - 10/17

- Created a website to make restaurant reservations via location search which displays pop-ups on a 3-D map of the world with reservation capabilities using Wrld API, OpenTable API, JavaScript, Apache, and HTML.

Copenhagen Atomics-- *Volunteer*

05/17 - 08/17

- Engineered and coded a current sensor to calculate power throughout a Liquid Fluoride Nuclear Reactor using C# in MonoDevelop, Raspberry Pi, I2C, and hardware including a current transformer and analog to digital converter.

The American Rocketry Challenge And Rocketry Club-- *Team Captain, President*

09/14- 06/17

- Innovated angled-fin rockets: a disruptive solution using fundamental physics principles to combat the ubiquitous problems of wind and thermals rather than follow the trend to postpone launches.
- Expanded club from 4 to 40 members via fierce advertising and restructuring, nominated for STEM Club of The Year.

Technical Skills

Computer Science

Advanced: Java, Python, Bash, Data Structures
Proficient: SQL, Javascript, HTML, Scheme

Electrical Engineering

MOSFETS, Op-amps, MSP-430, Circuit Analysis, R/L/C filters, Transformers, Raspberry Pi, Control Theory

Additional Work Experience

Kairos Power -- *Extern (Signed NDA, Cannot disclose much information.)*

01/18 - 01/18

- Reported on ionizing radiation effects on hardware, I&C, and testing for Fluoride Salt High Temperature Reactors.
- Learned about system engineering, product management, and decision making with executives.

Irvine Math Academy -- *Administrative Assistant, Teacher*

06/16 - 05/17

- Tutored youth sophisticated material through basic principles, resulting in deep understanding of intricate material.