

# Junghwan(John) Lee

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<b>Education</b>	<b>University of California, Berkeley</b> B.A. in Computer Science and Physics Coursework: Algorithms, Data Structures, Discrete Mathematics & Probability, Computer Architecture, Mechanics, Designing Information Devices and Systems (with Linear Algebra), Introduction to Logic Extracurricular: IEEE Berkeley, Intramural Basketball, Berkeley Legends	<b>Aug 2019 – May 2023</b> GPA: 3.515/4.0
<b>Skills</b>	Java, C, Python, Git, HTML, CSS, JavaScript, SQL, Scheme   OriginLab, NumPy, NPM	
<b>Experience</b>	<b>IPMD Inc.</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>Built a responsive testing website (<a href="http://projectm.ipmdinc.com">projectm.ipmdinc.com</a>) for Project M (emotion-detecting AI) through HTML/CSS with Bootstrap</li><li>Implemented PayPal donate and Google sign-in features within the website using JavaScript</li><li>Wrote the Privacy Policy and Terms &amp; Conditions for user data collection</li></ul> <b>IEEE Student Branch at UC Berkeley</b> <i>Website Officer</i> <ul style="list-style-type: none"><li>Created the course website for <i>EE198 (Hands-on PCB Engineering)</i> using Handlebars and HTML</li><li>Improved the UI/UX of the organization's website (<a href="http://ieee.berkeley.edu">ieee.berkeley.edu</a>) through Ghost and Sass</li><li>Presented a personal website workshop for ~30 Berkeley students to learn HTML/CSS</li><li>Assisted teaching hands-on electronic engineering to create cost and energy effective house lights for 6th-grade students in E4K (Engineering for Kids)</li></ul> <b>Pacific Engineering Club</b> <i>Founder &amp; President</i> <ul style="list-style-type: none"><li>Engineered tesla valve applications to regulate water pressure and reduce crop damage in farms</li><li>Received \$1250 funding from the Ministry of Education to implement the product in Gapyeong county and proceeded to improve red-leaf lettuce production in three farms by a total of 66lbs</li></ul>	<b>May 2020 – Aug 2020</b> Remote <b>Jan 2020 – May 2020</b> Berkeley, CA <b>Mar 2017 – Feb 2019</b> South Korea
<b>Projects</b>	<b>Type-oh! (Java)</b> <ul style="list-style-type: none"><li>Creating a typo correction software based on grammar and word relevance through machine learning</li></ul> <b>Personal Website (HTML/CSS/JS)</b> <ul style="list-style-type: none"><li>Designed and built a responsive personal website (<a href="http://johnlee-jh.github.io/website">johnlee-jh.github.io/website</a>)</li></ul> <b>Mini Git (Java)</b> <ul style="list-style-type: none"><li>Built a local version-control system that can run and execute Git commands, such as add, remove, commit, branch, status, log, find, and checkout through serialization and I/O File manipulation</li></ul> <b>Lines of Action AI (Java)</b> <ul style="list-style-type: none"><li>Programmed an AI for the game Lines of Action using minimax, heuristics, and alpha-beta pruning</li></ul>	<b>Present</b> <b>Aug 2020</b> <b>May 2020</b> <b>Mar 2020</b>
<b>Research</b>	<b>Simplifying the Vaccum Bazooka</b> Junghwan Lee, Woong Sung Lee, and Eunsoo Shin. <i>Physics Education (IOP Science)</i> <b>Effect of Liquid on the Vibrational Intensity of a Wineglass at Steady State Resonance</b> Junghwan Lee. <i>In Proceedings of the Korean Physical Society 2018 Spring Meeting</i>	<b>Mar 2019</b> <b>Apr 2018</b>
<b>Honors</b>	<b>Leadership Award</b> – Awarded \$2000 from Cal Alumni Association for innovative leadership <b>IKEF Scholarship</b> – Awarded a full-ride to college from IKEF for achievement in sciences	<b>Mar 2020</b> <b>Jul 2019</b>