

Junghwan(John) Lee

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Education	University of California, Berkeley 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	Aug 2019 – May 2023 GPA: 3.515/4.0
Skills	Java, C, Python, Git, HTML, CSS, JavaScript, SQL, Scheme OriginLab, NumPy, NPM, IntelliJ, VS Code	
Experience	IPMD Inc. <i>Software Engineering Intern</i> <ul style="list-style-type: none">Built a responsive testing website (projectm.ipmdinc.com) for Project M (emotion-detecting AI) through HTML/CSS with BootstrapImplemented PayPal donate and Google sign-in features within the website using JavaScriptWrote the Privacy Policy and Terms & Conditions for user data collection IEEE Student Branch at UC Berkeley <i>Website Officer</i> <ul style="list-style-type: none">Created the course website for <i>EE198 (Hands-on PCB Engineering)</i> using Handlebars and HTMLImproved the UI/UX of the organization's website (ieee.berkeley.edu) through Ghost and SassPresented a personal website workshop for ~30 Berkeley students to learn HTML/CSSAssisted teaching hands-on electronic engineering to create cost and energy effective house lights for 6th-grade students in E4K (Engineering for Kids) Pacific Engineering Club <i>Founder & President</i> <ul style="list-style-type: none">Engineered tesla valve applications to regulate water pressure and reduce crop damage in farmsReceived \$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	May 2020 – Aug 2020 Remote Jan 2020 – May 2020 Berkeley, CA Mar 2017 – Feb 2019 South Korea
Projects	Type-oh! (Java) <ul style="list-style-type: none">Creating a typo correction software based on grammar and word relevance through machine learning Personal Website (HTML/CSS/JS) <ul style="list-style-type: none">Designed and built a responsive personal website (johnlee-jh.github.io/website) Mini Git (Java) <ul style="list-style-type: none">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 Lines of Action AI (Java) <ul style="list-style-type: none">Programmed an AI for the game Lines of Action using minimax, heuristics, and alpha-beta pruning	Present Aug 2020 May 2020 Mar 2020
Research	Simplifying the Vaccum Bazooka Junghwan Lee, Woong Sung Lee, and Eunsoo Shin. <i>Physics Education (IOP Science)</i> Effect of Liquid on the Vibrational Intensity of a Wineglass at Steady State Resonance Junghwan Lee. <i>In Proceedings of the Korean Physical Society 2018 Spring Meeting</i>	Mar 2019 Apr 2018
Honors	Leadership Award – Awarded \$2000 from Cal Alumni Association for innovative leadership IKEF Scholarship – Awarded a full-ride to college from IKEF for achievement in sciences	Mar 2020 Jul 2019