

Junghwan(John) Lee

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| Education | University of California, Berkeley <i>B.A. in Computer Science, Minor in Physics</i> 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, AWS | |
| 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 Bootstrap, and JavaScript for various features within the websiteCreating a newly designed website for the company and hosting it through Amazon Web ServicesWrote the Privacy Policy and Terms & Conditions for user data collection | May 2020 – Present Remote |
| | 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 CMS 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) | Jan 2020 – May 2020 Berkeley, CA |
| | 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 | 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 | Present |
| | Personal Website (HTML/CSS/JS) <ul style="list-style-type: none">Designed and built a responsive personal website (ocf.berkeley.edu/~johnjhlee) | Aug 2020 |
| | 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 | May 2020 |
| | 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 | Mar 2020 |
| Research | Simplifying the Vaccum Bazooka Junghwan Lee, Woong Sung Lee, and Eunsoo Shin. <i>Physics Education (IOP Science)</i> | Mar 2019 |
| | 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> | Apr 2018 |
| Honors | Leadership Award – Awarded \$2000 from Cal Alumni Association for innovative leadership | Mar 2020 |
| | IKEF Scholarship – Awarded a full-ride to college from IKEF for achievement in sciences | Jul 2019 |