

# Yi Lyu

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<b>EDUCATION</b>	<b>Bachelor of Science in Applied Mathematics</b> 2019–Jun 2021 <ul style="list-style-type: none"><li>University of California in Los Angeles, Los Angeles, California, USA</li><li>Cumulative GPA: 3.963 / 4.0</li></ul> <b>Majored in Computer Science (Transferred Out)</b> 2017–2019 <ul style="list-style-type: none"><li>University of California in Davis, Davis, California, USA</li><li>Cumulative GPA: 3.957 / 4.0</li></ul>
<b>TECHNICAL SKILLS</b>	<ul style="list-style-type: none"><li>Languages: Python3, C/C++, Java, Matlab, javascript, Ruby, Shell, postgresSQL</li><li>Operating Systems: Unix/Linux, Windows</li><li>Database: Relational Databases, the Elastic Stack</li><li>Others: Git, Gerrit, Jenkins</li></ul>
<b>WORK EXPERIENCE</b>	<b>SW Engineer Intern</b> , Nokia Shanghai Bell — Hangzhou, ChinaJul 2019 – Sep 2019 <ul style="list-style-type: none"><li>5G Developer and Data Analyzer<ul style="list-style-type: none"><li>Designed and Implemented a log management system to handle thousands of data requests, which was already used by more than 70 software engineers for code coverage analysis. (Elastic Stack)</li><li>Implemented pipelines for the extraction and transmission of code coverage information provided by unit tests and system component tests. (Python, Gerrit, Elastic Stack, Shell)</li><li>Analyzed code coverage information and visualized the results. (Kibana, Python, Jenkins)</li><li>Implemented exception handlers and unit tests to cover the changed lines in a 5G-network project. (C++, GTest, GMock)</li></ul></li></ul>
<b>ACTIVITIES</b>	<b>Learning Assistant (Math 31AL)</b> Sep 2019 – Dec 2019 <ul style="list-style-type: none"><li>Tutoring students in a 30 students Calculus class at UCLA.<ul style="list-style-type: none"><li>Researching advanced pedagogical skills and implementing them in the discussion section.</li><li>Assisting the teaching assistant in organizing students and answering their questions.</li></ul></li></ul>
<b>PROJECTS</b>	<b>Bear Maps</b> , University of California in BerkeleyJul 2018 – Aug 2018 <ul style="list-style-type: none"><li>A mapping service project similar to Google Maps.<ul style="list-style-type: none"><li>Built an app that gives the shortest path from one spot to the other using A* search. (Java)</li><li>Parsed XML data and converted each address to a node in a balanced KD tree.</li></ul></li></ul> <b>EduSearch</b> , University of California in DavisFeb 2018 <ul style="list-style-type: none"><li>a website that collects and presents educational resources available for all students.<ul style="list-style-type: none"><li>Implemented a web crawler that fetches online resources through their links.</li><li>Designed and built the aforementioned website to host these online resources.</li><li>Competed in HackDavis.</li></ul></li></ul>
<b>LANGUAGES</b>	<ul style="list-style-type: none"><li>Chinese: Native language.</li><li>English: Fluent (speaking, reading, writing).</li><li>Latin: Elementary (reading, writing)</li></ul>
<b>AWARDS</b>	<ul style="list-style-type: none"><li><b>Charles R. Bishop Award</b> — University of California in DavisSep 2018</li><li><b>Students First Scholarship</b> — University of California in DavisSep 2018</li></ul>