

Yi Lyu

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EDUCATION	University of California, Los Angeles 2019–Jun 2021 <ul style="list-style-type: none">▪ B.S. in Mathematics of Computation▪ Cumulative GPA: 3.953 / 4.0 University of California, Davis (Transferred Out) 2017–2019 <ul style="list-style-type: none">▪ Majored in Computer Science▪ Cumulative GPA: 3.957 / 4.0
TECHNICAL SKILLS	<ul style="list-style-type: none">▪ Languages: C++, Java, Python3, Javascript▪ Database: Relational Databases, the Elastic Stack▪ Distributed System: Hadoop, Spark
WORK EXPERIENCE	SW Engineer Intern, Nokia Shanghai Bell — Hangzhou, China Jul 2019 – Sep 2019 <ul style="list-style-type: none">▪ Implemented a log management system over a distributed system to handle hundreds of thousands of data requests, which was already used by more than 70 software engineers for code coverage analysis. (Elastic Stack)▪ Implemented pipelines for the extraction and transmission of code coverage information provided by unit tests and system component tests. (Python, Gerrit, Elastic Stack, Shell)▪ Analyzed code coverage information and visualized the results. (Kibana, Python, Jenkins)▪ Implemented exception handlers and unit tests to cover the changed lines in a 5G-network project. (C++, GTest, GMock)
PROJECTS	Video Games Sales Prediction Jun 2020 – Aug 2020 <ul style="list-style-type: none">▪ Predicting global game sales based on available information.<ul style="list-style-type: none">• Implemented the SVD Imputation method in a paper to impute the missing data.• Implemented and trained prediction models such as Random Forest, Artificial Neural Network, and kNN.• Wrote a User Interface with functionalities such as autocomplete. Scytale Sep 2019 – Jun 2020 <ul style="list-style-type: none">▪ Scytale is a Python library for cryptography.<ul style="list-style-type: none">• Implemented a variety of algorithms and systems in cryptography, such as elliptic curves and lattice reduction. Bear Maps, University of California in Berkeley Jul 2018 – Aug 2018 <ul style="list-style-type: none">▪ A mapping service project similar to Google Maps.<ul style="list-style-type: none">• Built an app that gives the shortest path from one spot to the other using A* search. (Java)• Parsed XML data and converted each address to a node in a balanced KD tree.
ACTIVITIES	Learning Assistant (Math 31AL) Sep 2019 – Dec 2019 <ul style="list-style-type: none">▪ Tutoring students in an over-30-student Calculus class at UCLA.<ul style="list-style-type: none">• Applied advanced pedagogical skills in the discussion section.• Assisting the teaching assistant in organizing students and answering their questions.
LANGUAGES	<ul style="list-style-type: none">▪ Chinese: Native language.

- English: Fluent (speaking, reading, writing).

AWARDS

- **Charles R. Bishop Award** — University of California in Davis
- **Students First Scholarship** — University of California in Davis

Sep 2018

Sep 2018