

# Yiting (Ethan) Li

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## EDUCATION

**M.S., Computer Science**, UC San Diego  
Machine Learning focus

September 2017 – September 2021  
GPA: 3.7/4.0

**B.S., Computer Engineering**, UC San Diego  
GPA: 3.8/4.0 (with Cum Laude Latin Honor)

September 2013 – June 2017  
Major GPA: 3.9/4.0

## SKILLS

- C++, Java, Python, Linux, Git, SQL, Google Cloud Spanner, Google Cloud Build, BigQuery, Kubernetes
  - Test Driven Development, Agile Development, CI/CD pipelines
  - JavaScript, Ruby, React.js, Ruby on Rails, Tensorflow, PyTorch
  - Computer Vision, Natural Language Processing
- Very familiar with extensive industry experience or using on a day-to-day basis in open-source projects.
- Somewhat familiar with industry experience but not actively using.

## EXPERIENCES

May 2022 – **Software Engineer — Google Cloud AI**

Mar 2025

- Backend development in C++ and Python with a focus on building microservices based on gRPC, Spanner, Borg and other Google technologies often found with equivalents in the Google Cloud Platform stack.
- Responsible for the end-to-end lifecycle of software services, from designing robust and scalable system architectures, translating design specifications into clean, efficient, and well-documented code, to comprehensive unit and integration testing, and monitoring service health in production and ensuring service reliability.
- Worked in collaboration with the Gemini team and multiple sister teams totaling around 50 engineers on Google's largest internal AI training platform. Contributed to services that enable efficient LoRA fine-tuning on different variants of Gemini Models, and manages experiment metadata and checkpoint publishing. Drastically improved developer experiences of Machine Learning Engineers from product teams all across Google.

Feb 2021 –

Mar 2022

**Software Engineer — Housecall Pro / Codefied Inc dba. Housecall Pro**

- Fullstack development in Ruby and JavaScript employing frameworks such as Ruby on Rails for the backend service, and React.js for the frontend web application.
- Collaborated with product managers and stakeholders with input from real customers to translate business requirements into detailed technical specifications. Responsible for feature implementation, unit testing, integration testing, and service maintenance.
- Worked on Price Book, the most frequently used feature within Housecall Pro, a SaaS product for American home service companies' business management. Launched the flat-rate pricing calculation feature with third party data integration from Profit Rhino.
- Developed bulk migrating of services and csv import/export, features highly requested by customer companies, directly impacting their day-to-day business.

## PUBLICATION

Jun 2019

**LakhNES: Improving Multi-Instrumental Music Generation with Cross-Domain Pre-Training — ISMIR 2019**

- Accepted to the 20th Conference of the International Society for Music Information Retrieval 2019.
- Inspired by the TransformerXL model, proposed an efficient event-based tokenization method of music with regard to learning music in MIDI format, built a model capable of generating multi-instrumental music by training on NES-MDB, a dataset consisting of 46 hours of chip-tune music. The model achieved desirable results in human tests.