Yingqian MEI (**Cece**)

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SUMMARY

- 9 years of work experience in programming.
- Languages: Java, Javascript, Python, C++, SQL, Bash, HTML, CSS.
- Platform & Library: Spanner, PubSub, Borg, gRPC, Guice, Flogger, BigQuery, Monarch, Blaze, Dapper Trace, Blackbox Prober, MongoDB, PostgreSQL, Express, Unix, Git, React, Angular.

EXPERIENCES

- Software Engineer
  Google, San Francisco, CA
  - **Google Cloud, Backend application development**   Jun. 2021 – Current
    - Design and implement features to optimize planning/ fulfillment for Google's planet-scale data center.
  - **Google Fi, Full stack web development**   Sep. 2019 – Jun. 2021
    - Designed and implemented features to enhance the promotion service in Google Fi, such as stackable promo, targeted promo, instant saving, ad hoc promo experiments, integrated with Google Pay & Google Store, working with product manager, UX designer, product support, and engineers in different teams.

- Software Engineer, **Full stack web development**   Jan. 2018 – Sep. 2019
  Scalable Press, San Francisco, CA
  - Designed and implemented features to improve and automate warehouse operations and logistics, using Node.js/ Express/ Rest API/ React/ Angular/ MongoDB/ Jenkins/ Jira.
  - Diagnosed problems in the order fulfillment workflow and redesign processes.
  - Developed an image processing application to detect major colors in human perception.

- GIS Programmer, **Data engineering**   Jul. 2014 – Dec. 2017
  Citilabs, Sacramento, CA
  - Automated data inputs pipeline for traffic models from database, using PostgreSQL/ SQL/ python/ bash/ PostGIS spatial processing/ GDAL geo data conversion.
  - Developed large-scale quantitative traffic models for metropolitan areas on road networks using traffic assignment and network data model.
  - Built geo data visualization and nation-wide networks editing web app (over 50 million road segments), using Mapbox GL/ Leaflet/ React/ PostGIS/ GeoJSON.

- Travel Demand Forecasting Intern   Sep. 2013 – Mar. 2014
  Puget Sound Regional Council, Seattle, WA
  - Worked on activity-based travel demand models, using R and python.

EDUCATION

- Master of Science, Transportation Engineering   Sep. 2012 – Jun. 2014
  University of Washington, Seattle, WA

- Bachelor of Science, Geographical Information System   Sep. 2008 – Jul. 2012
  Peking University, Beijing, China