

YIFEI CHEN

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📁 Summary

Highly motivated candidate seeking a fulltime software engineer position. Has Strong Java programming, problem solving and analytical skills. Has 2 years of experience in architecture, and dedicate to cloud based full-stack development projects. Familiar with Go, React, HTML5, CSS and MVVM design pattern.

💼 Employment

Minno & Wasko, Architectural Designer, Newark

June 2021 - Present

- Responsible for the preparation of schematic design concepts, preparation of design documentations.
- Working closely with design team and assists to complete projects on aggressive schedules.
- Assists in project-management scheduling and contractor follow-ups.
- Utilizes systemetic and parametric softwares to develop solutions to design problems.

GRO Architects, Architectural Designer, New York

September 2019 - October 2020

- Involved in a wide range of projects and assisted the project manager in all development phases.
- Collaborated with multiple consultants to deliver best project to clients.
- Participated meetings on site and assisted clients and contractors with services.
- Utilized programming tools to test feasibility for projects in early phases.

🎓 Education

University of Pennsylvania, Master of Architecture (GPA: 3.55/4.0)

August 2016 - May 2019

University of Liverpool, Bachelor of Art (GPA: 3.53/4.0)

September 2012 - July 2016

📁 Projects

Recommendation System based on Twitch Resources

- Designed and built a full-stack web application to search twitch resources with a content-based recommendation system.
- Built a web page with user friendly experience using HTML5, CSS, React and Ant Design.
- Implemented RESTful APIs using Java servlets, using Twitch APIs to collect Twitch data and stored it in MySQL.
- Deployed the service to AWS EC2 for better stability.

Picture & Video Sharing Platform

- Designed and built a social network web application with React JS, implemented create, delete and search posts.
- Utilized token based registration/login/logout flow with React Router v4 and server-side user authentication with JWT.
- Framed a web application in Go to handle posts and deployed to Google Cloud (Google App Engine).
- Used Elasticsearch to support search functions such that users can search recent posts and deployed to GCE.

Starlink Trajectory Visualization Tracking Website

- Designed and developed a visualization dashboard using ReactJS and D3 to track satellites in real-time based on geo-location.
- Refined satellite search with location, altitude, and duration based selector.
- Animated user friendly satellite paths on world map using D3 with customizable quantity and duration.
- Deployed the dashboard to Amazon Web Service for demonstration.

Android Based News App

- Designed a Tinder-like News app based on Google Component Architectural MVVM Pattern, and utilized 3rd party Card-StackView(RecyclerView) to support swipe gestures for liking/disliking the news.
- Implemented the bottom bar & page navigation using JetPack navigation component.
- Integrated Retrofit and LiveData to pull the latest news data from a RESTFUL endpoint (newsapi.org).
- Built the Room Database with LiveData & ViewModel to support local cache and offline model.

📁 Skills

Programming Languages:

Java, Python, Go, JavaScript, HTML, BASIC

Databases and Cloud:

MySQL, Oracle, Hadoop MapReduce, Apache Spark

Frameworks and Tools:

Java Servlet, REST API, ReactJS, HTML & CSS, Node.js, Android, AWS/EC2/RDS/S3, GCE