

LEON LONG

I strive to build technologies that truly work for people and make a difference.

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WORK EXPERIENCES

- **Software Engineer | RestMesh Technologies LLC** Nov. 2016 - Present
 - Work with senior devs from Microsoft in the **cloud-based IT solutions** company's **core engineering team** as a **full stack engineer**
 - Designed, developed, and deployed **data analytics dashboard** and **3 new features** based on feedback from existing clients for the **cross-platform** restaurant management software, from **frontend responsive UIs** to **backend Server-Side APIs** using **NodeJS, MySQL, Vue.js, React, and AWS**
 - Experienced **fast-paced** and **highly dynamic dev environment** and contributed **165 commits** throughout the software development lifecycle
- **Mobile Development Intern | Yumso Inc.** June 2017 - Present
 - Implemented newly-designed UIs, data-related functions, and location services for the V2.0 of the **iOS App** that has **2000+ paying customers**.
 - Self-taught and mastered Mobile Dev in React Native for iOS and Android without prior experience by reading online docs and existing code
- **Software Engineer Intern | NetView Technologies LLC** July 2017 - Aug 2017
 - Worked on the development of AI features of the **IoT company's** latest **smart doorbell** product Vuebell, which serves customers **worldwide**
 - Specifically defined **NLP models** based on use cases, **collected** relevant training **dataset**, and **trained the models** on the **Amazon Lex** framework

EDUCATION & INVOLVEMENT

- **B.S in Informatics, Software Engineering Focus | University of Washington** 2015 - 2019
 - **GPA: 3.80/4.0** - Annual Dean's List (2015 - 2017)
 - **Coursework:** Computer Programming I & II, Data Structures and Algorithms, Software Architecture, Web Development, Mobile Development (iOS & Android), Server and Networks, Database Systems, Data Science, Information Systems, User Experience, Project Management
- **President | Technology and Business Association UW Chapter** June 2017 - Present
 - Provides a platform for people to exchange ideas about **technology** and **business** and to bridge university campus with industries tbauw.org

PROJECTS

- **CheckMate | Android Development | Roommate Management App** April 2017 - June 2017
 - Designed and built a **cloud-based Android App** that helps roommates assign and manage tasks, keeps track of shopping lists and expenses, and sends announcement to all the roommates
 - Implemented **data modelling, communication, and synchronization** through **Android APIs** and **Firebase**, developed a **Node Server** and utilized **Firebase Cloud Messaging** for **real-time notification**, and designed and implemented **Material Design UI components**
- **ChitChat | Full Stack Web Development | Chatting Web App** March 2017 - June 2017
 - Built both **API Server** and **Web Client** for a chat App using **Golang, React.js, MongoDB, Redis, and MDL** github.com/leontaolong/ChitChat
 - Implemented user login with **HTTPS Auth, CORS middleware, 48 API handlers, credential and session encryption** with **bcrypt** and **hmac**
 - Modelled and trained a **NLP chatbot** using **Wit.ai** and created a **Node.js microservice** that handles users' chat-related questions
 - Enabled **websocket 2.0** for real-time notification with **Concurrency** using **goroutine, go channel, and Mutex Lock**
 - Deployed the go and Node servers and web client using **Docker** and **AWS EC2** with registered domain and certs
- **Anxiety Solver | Hackathon Project | Def Hackathon Hosted by Microsoft** January 2017
 - Built a **Chat Bot Intelligence** that runs on Skype, Slack, and FB Messenger that analyzes the **users' emotions** and **stress level** using **facial and voice recognitions**, and **helps people relieve** by providing fun images, videos, and games through an **interactive chatting experience**
 - Learned and utilized **Microsoft Bot Framework** and **Cognition Services APIs, Azure**, and designed and trained our own **NLP models** on **LUIS**

SKILLS

- **Web & Mobile:** Android, React Native, HTML, CSS, jQuery, AJAX, Typescript, React.js, Vue.js, ES7, WebSocket, Node.js, PHP, HTTPS, OAuth
- **Programming:** Java, JavaScript, Python, Golang, R, C/C++, Abstract Data Type, Algorithms, Concurrency, Object-Oriented/Functional Programming
- **Server & DB:** Shell Scripting, Docker, Redis, SQL Server, MySQL, Postgres, MongoDB, Firebase, Amazon Web Services, Microsoft Azure Cloud
- **Architecture:** Documentation, Abstraction, Modeling(UML), Design Patterns, Architectural Styles (MVC, P2P, N-Tier, Flux, Services, RESTful..)