

LEON LONG

Software Engineer, Problem Solver, Lifelong Learner



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WORK EXPERIENCES

- **SOFTWARE ENGINEER INTERN | RestMesh Technologies, LLC Redmond WA** **Nov. 2016 - Present**
 - Work with senior devs from Microsoft and Amazon in the **cloud-based IT solutions startup's** core team as a **full stack engineer**
 - Refine and implement **responsive UIs** for the core product that runs on **Web** and **Mobile** using **ReactJs** and **Material Design**, which increased the **user satisfaction rate** by **35%**, build **Server-Side APIs** and **data analytical tools** in **NodeJS, MySQL, Vue.js, and React**
 - **Develop Tests** and **troubleshoot** full-stack code, enforce **MVC** and **Server-Clienet software architecture**, develop **new features** based on feedback from **20+ clients**, and have contributed **165 commits** in the Git Repo throughout the software development lifecycle

EDUCATION & INVOLVEMENT

- **B.S IN INFORMATICS, Software Engineering Focus | University of Washington** **2015 - 2018 (Expected)**
 - **GPA: 3.80/4.0** - Annual Dean's List (2015 - 2017) ischool.uw.edu/academics/informatics
 - **Coursework:** Computer Programming I & II & III, Data Structures and Algorithms, Software Architecture, Web Development, Mobile Development (iOS & Android), Server-Side Development, Database Systems, User Experience, Data Science, Information Systems, Project Management
- **PRESIDENT | Technology and Business Association UW Chapter** **March 2017 - Present**
 - Provide a platform for people to exchange ideas about **technology and businesses** and to **bridge the university and the industries** tbauw.org
 - Currently have **1600 members** and **30 officers**. Promoted and elected from IT & Maeketing Officer, Vice President, to President
 - Plan and organize **large-scale events** such us: Annual Biz-Tech Forum, Job/Internship Workshops, Case Comp, Mentorship Program, etc.

SKILLS

- **Web & Mobile:** Andorid, HTML5, CSS3, JavaScript, Typescript, React.js, Vue.js, jQuery, AJAX, ES7, Websocket, Node.js, PHP, HTTPS, OAuth
- **Programming:** Java, Python, Golang, C/C++, Kotlin, Abstract Data Type, Algorithms, Concurrency, Object-Oriented/Functional Programming
- **Server & DB:** Linux, Docker, Shell, Redis, SQL Server, MySQL, Postgres, MongoDB, Firebase, AWS, DigitalOcean, MS Azure Cloud, Deployment
- **Architecture:** Documentation, Abstraction, Modeling(UML), Design Principles, Architectural Styles (MVC, P2P, N-Tier, Flux, Services, RESTful..)
- **Tools & Software:** Git, Eclipse, IntelliJ, Xcode, Visual Studio, Sublime, Tableau, Sketch, Figma, Adobe Photoshop, After Effects, Final Cut Pro

PROJECTS

- **CheckMate | Andorid Developer & UI Designer | Roommate Management App** **April 2017 - June 2017**
 - Designed and built a **cloud-based Andorid App** that helps roommates assign and manage tasks, keeps track of shopping lists and expenses, and sends announcement to all the roommates github.com/leontaolong/CheckMate
 - Implemented all **data modelling** and **data communication and synchronization** through **Android APIs** and **Firebase**, developed a **Node Server** and utilized **Firebase Cloud Messaging** for **real-time notification**, and design and implemented **Material Design UI components**
 - Generated Andorid **release APK** for **Beta Testing** in residents hall on UW Campus
- **ChitChat | Full Stack Web Developer | Web App (Server-Side & Client-Side)** **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
 - Implement user login with **HTTPS authentication, CORS middleware, 48 API handlers, credential and session encryption** with **bcrypt** and **hmac**
 - **Modelled** and **trained** a **NPL 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**
- **iVal | Project Lead and Engineer | Course and Instructor Evaluation Web App** **December 2016**
 - **Designed, architected, and built** a large-scale **web app from scratch** in a 4-person team with **HTML/CSS, React.js, and Firebase Cloud Storage**
 - **Reviewed, tested, and managed** other developers' code components from **different branches** github.com/leontaolong/iVal
 - iVal is currently in its **public beta** within UW iSchool and being developed on **Android** and **iOS** plaorms using **React Native**
- **Anxiety Solver | Project Engineer | Def Hackathon Hosted by Microsoft** **January 2017**
 - Build a **Chat Bot Intelligence** that runs on Skype, Slack, and FB Messenger in **24 hrs** 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 **NPL models** on **LUIS**