

**Heng Lam**  
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(832) 310-6748

## EDUCATION

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**The University of Texas at Austin**, Austin, TX

Bachelor of Science and Arts in Computer Science, Minor in Business

August 2011 - May 2016

## EXPERIENCE

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**AT&T**, Dallas, TX – Houston, TX

**Software Engineer II**

January 2021 - present

- Led full-stack development, product lifecycle and management for a greenfield web application using Node.js, React and MySQL enabling operation engineers faster build times by at least 2x for zero-day configurations of Cisco equipment deployed within the corporate firewall
- Migrated and performed the conversion of the "generate" API for assembling near real-time data across network information systems, from CakePHP application into a Python equivalent with GraphQL for injection into 100+ Jinja/Smarty templates for Day 1 and ongoing configuration deployments
- Wrote the QA automation for testing of "Generate" API to ensure confidence levels in the data assembly of 30+ actively supported equipment types will generate, in an E2E fashion
- Handled monthly release deployments with Docker behind HAProxy for load balancing and monitoring application performance
- Reduced software vulnerabilities by partnering with cybersecurity team in maintaining 6 on-prem servers with regularly scheduled patching for timely remediation

**Software Engineer I**

January 2018 - December 2020

- In TDD fashion, developed REST APIs and integrated with frontend interface using Java Spring Boot and Angular 1 to manage financial and human resources data empowering users and their chain of command with a dashboard to visualize budget forecasting
- Developed a mobile application using Expo/React Native and integrated with Ruby backend APIs as part of Corporate Social Good initiative, AT&T Believes, accomplishing 10,000+ user downloads on Google Play alone
- Explored methods of implementation for building the prototype for a notification system in delivering real-time time-sensitive messages for a user base of 1 to 500
- Collaborated both locally and remotely across weekly scrum calls, monthly planning sessions and ad-hoc whiteboarding sessions

**University of Texas at Austin**, Austin, TX

September 2013 – May 2014

**Undergraduate Research Assistant**

- Performed technical graphing and data analysis of 100+ image frames using IGOR for the Integrative Biology Department to identify trends and other useful information in the study of polarized light
- Used a combination of Parallel Tracking and Mapping (PTAM) and Point Cloud Library (PCL) to extract point clouds from video captured in the field

## TECHNICAL SKILLS

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- Languages: Java, Python, JavaScript, SQL (Oracle & MySQL), GraphQL, HTML/CSS
- Frameworks: React, React Native, Node.js, Angular 1 & 7, EvergreenUI, Spring Boot, ONAP, HAProxy
- Developer Tools: Git, Docker, IntelliJ, VS Code, Eclipse, Postman, SoapUI, Expo, MySQL Workbench
- Tools and Platforms: Palantir, ServiceNow, JFrog, HashiCorp Vault, Ansible
- Libraries: cronie, Junit, Karma, d3.js