

San Jose, CA | (530)-500-5486 Email: <a href="mailto:edwardsun6666@gmail.com">edwardsun6666@gmail.com</a> Linkedin: <a href="mailto:in/edwardsuncareer/">in/edwardsuncareer/</a> Portfolio: <a href="mailto:edwardsun007.github.io">edwardsun007.github.io</a> U.S. Citizen

Enthusiastic, dedicated and motivated software engineer with particular passion in frontend development, I am efficient with Javascript, Typescript and Python. I have experience working with products including 3D simulation, embedded system and network security. I am actively seeking the opportunity to build outstanding products together with a group of passionate individuals for the organization and the community as well.

### **WORK EXPERIENCE**

Leica Geosystems HDS, San Ramon, CA

2016 - 2018

Frontend Developer

Responsible for development, automation, testing on the client side of cloud application.

# **Responsibilities:**

- Developed reusable user interface components with Angular
- Design and implement features with Javascript (ES6), Typescript
- Implemented RESTful API to facilitate communication between client and server
- Working closely with QA team on troubleshooting and debugging issues
- Feature and Sprint task management with Jira
- Version control with Mercury
- Web automation with Selenium
- Attend daily SCRUM meetings to keep track of ongoing project status and issues.

#### Blackfire Research Corp, San Francisco, CA

2015 - 2016

Software QA Engineer

The project at Blackfire involved working with multi-cast system designed and developed by the firm

#### **Responsibilities:**

- Design and implemented code in Python
- Programming in shell to assist with engineer tasks and daily work flow
- Performed Stress Assessment under severe network conditions such as weak signal strength
- Use Wireshark and iPerf to conduct network diagnostic and bandwidth measurement
- Building and running Android application with Eclipse IDE on actual devices
- Skillful use of UNIX commands and Shell Script to initiate test and logging procedure
- Periodically follow up with project manager and team lead with latest report
- Systematically debugging android mobile app under Linux environment

# Lakestic Network Security, Sunnyvale, CA

June 2014 - Jul 2014

#### Intern

- Developed packet-parser program in Python to parse Wireshark captured pcap files
- Designed and developed Windows File System Monitoring program in C# using .NET APIs
- Programming in Java with Selenium WebDriver API to check functionality on client's web application
- Conducted vulnerability assessments, firewall configurations and security implementations
- Setup and Configuring virtual machines, and continuously monitored their status

- Quickly learn new techniques and apply them into ongoing projects, further developed analytical and technical skills by working on projects
- Obtained extensive experience in Wireshark, Metasploit Framework, Kali Linux and other security assessment tools

## **PROJECTS**

## **Netdish Website:**

- Full stack application built in Angular 6, Express, Node, MongoDB( MEAN stack ), Bootstrap
- User can register either by email or login with Gmail to place orders
- Socket.io is used to gather information about total number of online users for analytic purpose
- Authentication with JWT, Route protection implemented
- Integrated with Google login API, Facebook API, Google Map API,

Technologies: Angular 6, Express, Node.js, MongoDB, Bootstrap, Socket.io

# **DeveloperConnector:**

- Full stack social application for networking between developers via social media
- Built in React, Node, Express, MongoDB
- Authentication with JWT, Route protection implemented
- Authenticated user has access to edit or remove their own posts

Technologies: React, Express, Node.js, MongoDB

#### MyBlog:

- Full stack application for registered user to create blogs, image upload is supported
- Authentication with JWT, Route protection implemented
- Authenticated user has access to edit or remove their own posts

**Technologies:** Angular 6, Express, Node.js, MongoDB, Bootstrap, Socket.io

### TECHNICAL EXPERTISE

- Programming Language: Python, Java, JavaScript, SQL
- Web Frontend: HTML5, CSS3, Angular 6, Typescript, JavaScript, jQuery
- Web Backend: Node.js, Express.js, Django, Flask, MongoDB
- Database: Oracle 11g, MS SQL Server 2008/2012, MySQL
- Operating System: Ubuntu 16.04 LTS / 14.04 LTS / 12.04 LTS, OSX 10.12, Windows 10 / 8 / 7
- Browsers: Mozilla Firefox 55/54/50/38/37, Google Chrome 53/44/43
- Web Services: RESTful, OAuth
- Defect Management Tool: Jira, Bugzilla
- Version Control System: Mercurial, Git
- Building Tool: Maven, Gradle
- IDE: VS Code, Atom, PyCharm, Eclipse, Android Studio, Visual Studio, SQL Developer

# **EDUCATION**

Bachelor Degree in Accounting Information System, San Jose State University

May. 2013

## **Certificate:**