Ziliang Zhang

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Objective

Seeking a Part-time/Internship Position in Full-Stack Software Development Engineering Position

Education

Doctor of Philosophy (On-Going), Electrical and Computer Engineering
University of California, Riverside   Sep 2022 - Present
Master of Science, Computer Engineering
University of California, Riverside   Sep 2019 - Mar 2021
Bachelor of Science , Cognitive Science with Specialization in Human-Computer Interaction
University of California, San Diego   Aug 2015 - Mar 2019

Work Experience

Full-Stack Software Development Engineer @ Verizon   Feb 2022 - Sep 2022
- Developed and Maintained **RESTful API** in **Spring Framework** and **Maven** Project, with **AWS** and **Apache Kafka**
- Worked on **Angular**, **Typescript**, **HTML/CSS/Javascript**, **Node.js** frontend and connected to backend and **Redis**
- Experienced in **Junit**, **Jenkins**, **Postman** and **JIRA** for Testing, Used **Git**, **Docker** as **CI/CD** process for **TDD**

Java Full-Stack Developer @ Marlabs, Inc.   Jul 2021 - Feb 2022
- Provided Professional Solutions in developing **SOAP** and **RESTful API**. Clients include Hilton, Vertafore, etc.
- Implemented both **SQL** (MySQL, PostgreSQL) and **NoSQL** (MongoDB, Firebase) database in **ORM** with **Hibernate**
- Understood **SDLC** based on **Agile/Scrum** and **Waterfall** methodologies. Experienced **Pair/Extreme** Programming

Frontend Designer and Developer @ Bidround System LLC   Jun 2018 - Sep 2018
- Designed UI interface with **Sketch** and **Figma**. Improved UX with **Prototyping**, **A/B Testing** and **Google Analytics**
- Developed Frontend with **Node.js**, **REACT** and **Bootstrap**. Experienced in Swift for IOS development

Project Experience

Project OpenRPT @ Extreme Storage & Computer Architecture Laboratory, UC Riverside   Sep 2020 - Mar 2021
- Solo Dev **HCI** prototype with **Coral DevBoard** and Wearable Display. Provided **Pose Estimation** and Delivered 720P 30FPS stream feed via selected teleconferencing software. All activity restrained within **1GB RAM** and **TPU**
- Conducted End-to-End Test and Latency Optimization. Used **Bluetooth PAN** to Achieve One-step Operations
- **Tensorflow Lite, TPU, Bluetooth PAN, OpenCV, PoseNet, UNIX, Cython, V4L2,** https://www.escalab.org/

"On Construction and Application of High-Definition(HD) Maps" @ UC Riverside   Sep 2020 - Jan 2021
- Co-authored and edited **HD Maps** collections concerning both construction and application. Overviewed topics in Autonomous Driving, Localization, Modeling, Path Planning, Perception and ATVs. Honor & Submitted to SSTD'21

When2Buy Co-op Smart Shopping List @ UC San Diego   Jan 2018 - Mar 2018
- Developed Webapp sharable shopping list that auto-update items based on habits and routines; UX/Frontend/DB;
- **HTML/CSS/Javascript, AJAX, Node.js, Jquery, Sketch, Google Analytics, Bootstrap, REACT, Firebase**

Honors and Awards

- Provost Honor UC San Diego   Fall 2018 / Fall 2016
- Honorable Project awarded by Dr. Amr Magdy, UC Riverside   Winter 2020

Technical Skills

Programming Language: Java 8/11, Python, C/C++, Shell Script, HTML5/CSS3/Javascript, Swift, Typescript;
Database: SQL-MySQL 8.x, PostgreSQL 13 and SQL Server 2019; NoSQL-MongoDB, Firebase, Redis;
Java/J2EE: Servlets 3.x, JSP 2.x, JDBC, JPA, JMS;   **Diagnostics**: JasperReports 6.x, Google Analytics;
Frameworks: Spring MVC 5.x, Spring Boot 2.x, Spring Cloud, Hibernate 5.x, Spring Security, Struts 2.0, kubernetes;
Cloud Service: AWS IAM, EC2, S3, Elastic Beanstalk, Load Balancer, DynamoDB, AWS Lambda, CloudWatch;
Servers: Apache Tomcat, Glassfish, JBoss, Nginx;   **Testing**: Junit 4/5, Mockito 3, SoapUI 5, Postman;
Messaging: Apache Kafka, RabbitMQ, Apache ActiveMQ;   **Frontend**: Jquery, Angular, Node.js, Bootstrap, REACT;
DS/ML: Pandas, NumPy, SciPy, Matplotlib, Scikit-learn, Tensorflow, PyTorch, Ray;
Dev Tools: GIT, SVN, Docker, VMware, JIRA, Log4j 2.x, Pair/Extreme Programming, Kibana
Hardware: SoC, Single Board, CUDA C, Edge TPU, AVX;   **UI/UX**: Figma, Sketch, Adobe Illustrator/InDesign;