MING-YI (ERIC) LIN

USC M.S in Data Science | graduate in May 2020 | 5 years frontend experience
I'm currently seeking a full-time frontend engineer position
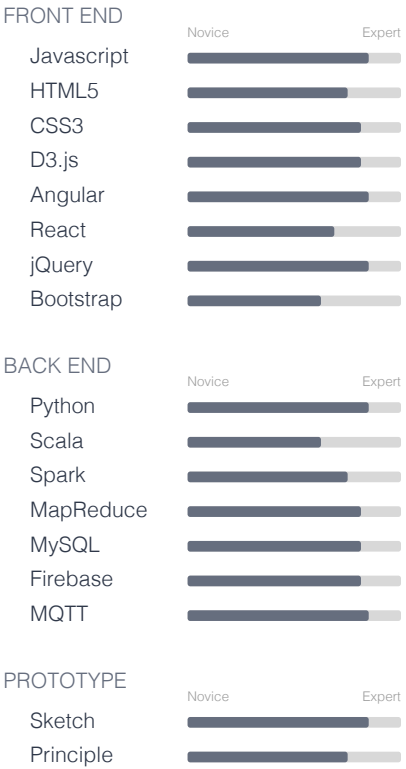
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○ iamyle0710

WORK EXPERIENCE

May 2019 – Present — **Student Worker**
Information Sciences Institute — Los Angeles, United States

Deployed an open-source, web-based viewer using AngularJS for high-resolution zoomable microscopic images

Developed from scratch a feature that precisely overlays annotations (SVG files) over an image

Developed highlighting, locating and drawing features using D3.js for users to annotate the microscopic image

Jan 2019 – May 2019 — **Teaching Assistant (Course Producer)**
USC Viterbi School of Engineering — Los Angeles, United States

Helped the professor with students evaluation and assignments and provided assistance for 50 students with their questions and web application projects

Oct 2014 - July 2018 — **Frontend Engineer**
Chunghwa Telecom Laboratories — Taiwan

Built and maintained single-page applications using JavaScript and jQuery that let users efficiently manage IoT equipment and perform visualization tasks

Developed an auto-control IoT equipment feature which has saved 15% energy consumption of a client's premises since 2016

Built cross-system mobile app using ReactNative for monitoring up to 50,000 pieces of IoT equipment

Reduced the loading between the application and the server using publish/subscribe message-oriented architecture

SKILLS

FRONT END
	Novice	Expert
Javascript		
HTML5		
CSS3		
D3.js		
Angular		
React		
jQuery		
Bootstrap		

BACK END
	Novice	Expert
Python		
Scala		
Spark		
MapReduce		
MySQL		
Firebase		
MQTT		

PROTOTYPE
	Novice	Expert
Sketch		
Principle		

PROJECTS

Aug 2019 - Dec 2019 — **LA Metro Bike Data Visualization**

Developed a map-based dashboard application using Angular to help metro bike shareholders analyze bike usage performance

Built interactive map and up to 6 types of statistic charts using D3.js and MapBox to allow users to get an overview of inbound and outbound analysis

Aug 2019 - Dec 2019 — **Pot of Cha - User interface Design and Usability Testing**

Conducted 10+ user interviews to find primary persona and generalized user stories, goal-directed user scenario and user cases

Built sitemap, wireframes, visual design and prototypes for both desktop and mobile version using Sketch and Principle

Evaluated/Revised the prototype by conducting usability testing for +5 users

Oct 2018 - Jan 2019 — **Oriole - Pitch Detector**

Built a website using React to search/filter songs based on users' vocal range

Extracted music's metadata/pitch and stored into NoSQL database

Developed detecting pitch/faceted search functions for retrieving music

COURSEWORK

Algorithms
Data Structures
Data Mining
Data Management
Database Management
Information Modeling
Information Visualization
Interaction Design and Usability Testing
Software Engineering
Software Processes
Machine Learning
Website Design

EDUCATION

Aug 2018 – Present — **University of Southern California,** M.S. in Data Science | GPA : 4.0 / 4.0

Sep 2012 – Jul 2014 — **National Central University,** M.B.A. in Information Management | GPA : 4.0 / 4.0

Sep 2008 – Jul 2012 — **Tatung University,** B.B.A. in Information Management | GPA : 3.7 / 4.0