MICHAEL CHEN

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EDUCATION

University of California, Riverside — Riverside, CA
*Bachelor of Science in Computer Engineering, **GPA**: 3.46/4.00* — *Sep 2013 - Jun 2017*

EXPERIENCE

Tata Consultancy Services (Southern California Edison) — Rosemead, CA
Software / Identity & Security Access Management Engineer — *July 2017 - Present*

- **Automation of User Access Data Reporting** *(Powershell)*
  Designed and developed a complete Standard Operating Procedure which utilizes a custom PowerShell script to consolidate and cross reference user access data across multiple data sources to ensure compliance with NERC regulations. Streamlined and automated the daily reporting process and removed 95% of manual efforts.
- **Automation of ITIM User Account Verification** *(Java, ITIM, LDAP)*
  Proposed and initiated the development of a Java project from the ground up to verify the post user creation in ITIM environments. Extracted ITIM web service APIs to research abstract classes and methods for the project requirement. Worked closely with operations task workers to design the automation workflow according to the existing manual workflow.
- **Automation of Data Compliance Communications** *(Python)*
  Used various open source python libraries to generate stylized data reports and to send out all follow up communications. Fully automated the process and eliminated all manual work.
- **Active Directory IAM Powershell Libraries** *(Powershell, Active Directory)*
  Proposed and initiated the development of a set of core Powershell libraries from the ground up to streamline IAM Active Directory bulk operational tasks, removing 90% of manual efforts.

Institute for Information Industry — Taipei, Taiwan
Summer Engineering Intern — *July 2016 - Aug 2016*

- **CarQ** *(Xcode, Obj-C)*
  Developed an iOS Q/A platform where users can troubleshoot car issues in a forum environment. Created dynamically self-sizing question card views in accordance to different device specifications and content length. Bundled together as a submodule of a car diagnostic app, CarJ.
- **AutoMD Diagnose Web Crawler** *(Java)*
  Designed and implemented a multi-threaded tool that utilizes RESTful API services to crawl and consolidate car diagnostic data into JSON in the form of nested list objects. JSON procured is integrated with car diagnostic data gathered from universities and institutions all across Taiwan. Collaborative data functions as a CarQ knowledge resource.

National Dong Hwa University — Hualien County, Taiwan
CSIE Intern — *June 2015 - Aug 2015*

- **Geometric Tower Defense** *(Unity, C#)*
  Developed a tower defense game with incremental level progression using standard geometric models. Presented at the end-of-internship research conference to peers, professors, and industry professionals.

PROJECTS

Nocturnal *(HTML, jQuery, Node.js, Python)* — *Winter 2017*
A webpage that uses heatmap overlays to illustrate the density of hospitals, providers, and census in a zipcode. Led development (team of 3) for analyzing and processing data in PySpark then storing into a Cassandra database.

Lego Elevator *(C)* — *Fall 2016*
An embedded three-level elevator system that utilizes an intelligent scheduling algorithm. Controlled by a DC stepper motor in conjunction with a photoresistor to track level changes.

UCR Craigslist *(Xcode, Obj-C)* — *Spring 2016*
An iOS application created as an abstract solution to Facebook's lack of support for marketplace groups. 4 tab navigation: create/browse posts, maps, messaging, and profile reviews. Integrated with biz.nf backend services.

SKILLS

Certifications: Professional Scrum Master I
Technologies: Active Directory, Cassandra, ITIM, Maven, PySpark, Unity, vim, VS Code, Xcode
Programming Languages: C, C#, C++, Java, Obj-C, Powershell, Python
Spoken Languages: English, Mandarin Chinese