

MICHAEL CHEN

☎ (323) 316-3950 ✉ mrmcochen@gmail.com 🏠 Arcadia, CA
🌐 [linkedin.com/in/mrmcochen](https://www.linkedin.com/in/mrmcochen) 📄 github.com/mchen046

🔧 TECHNICAL SKILLS

🎮 **Video Game Development:** C#, Unity 📦 **Frameworks:** IBM ScriptExtension ⚙️ **Tools:** bash, Git, vim, VS Code, *nix
📱 **iOS Development:** Obj-C, Xcode 🗣️ **Programming Languages:** C, C++ 👤 **Identity Management:** LDAP, Okta, IBM Tivoli Identity Manager
🗄️ **Databases:** Cassandra, PySpark, SQL 🐍 **Other:** Java, JavaScript, PowerShell, Python

📁 PROFESSIONAL EXPERIENCE

Software Engineer - IAM - Technical Core

Rosemead, CA

Tata Consultancy Services (Southern California Edison)

July 2017 - Present

- Led the development, integration, and deployment of backend Java APIs using the IBM ScriptExtension framework, strictly adhering to business logic.
- Created comprehensive documentation detailing environment setup, development steps, and implementation tasks for continuous change requests and enhancements.
- Analyzed and refactored essential user lifecycle JavaScript workflow logic for a major identity system upgrade. Seamless migration paved the way for subsequent successful improvements to our identity systems.
- Innovated and established a new extendable set of internal PowerShell tools that eliminated an average of 300 hours of manual operational efforts per week. Actively maintained and pushed new features based on user stories.
- Closely mentored junior engineers to accelerate strong competency with in-house codebase modules and organization specific standard operating procedures.
- Completely overhauled the single sign on (SSO) application integration process, reducing average delivery time by 75%.
- Troubleshooted, resolved, and performed root cause analysis (RCA) on production authentication & provisioning failures, detailing surrounding environment configurations, business impact event (BIE) chronology, failover mechanisms, and mitigation action items.

Smart System Institute (SSI) Engineering Intern

Taipei, Taiwan

Institute for Information Industry

July 2016 - Aug 2016

- Developed an iOS application in Obj-C / Xcode where users utilize an OBD2 adapter to troubleshoot frequent car issues on a social Q/A forum.
- Collaborated directly with UI / UX teams to create dynamically self-sizing question card views for varying device specifications and content.
- Regularly conducted design meetings with vendors and presented incremental functional builds.
- Designed and implemented a multi-threaded web crawler that utilizes RESTful API services to query and consolidate car diagnostic data into JSON in the form of nested list objects.
- Integrated the procured JSON data with the iOS application to function as a fundamental car diagnostic knowledge resource.
- Contributed JSON data to a shared repository employed by universities and institutions all across Taiwan.

Computer Science & Information Engineering Intern

Hualien County, Taiwan

National Dong Hwa University

June 2015 - Aug 2015

- Developed a tower defense game in C# / Unity with incremental wave progression using geometric models of varying arsenal mechanics and upgrades: freeze, slow, and linear vs exponential scaling damage.
- Presented the design blueprints, development obstacles, and a playable demo of the game to a panel of peers, professors, and industry professionals at the end-of-internship research conference.

🎓 EDUCATION

University of California, Riverside

Riverside, CA

Bachelor of Science in Computer Engineering, GPA: 3.46

Sep 2013 - Jun 2017

★ AWARDS

Southern California Edison (SCE) Service Management Office and Operations (SMOO) Award

Rosemead, CA

Tata Consultancy Services (Southern California Edison)

Dec 2020

- Recognized by the client for exceptional performance as subject matter expert (SME) for enterprise Okta.