Samuel John Omamalin
SOFTWARE ENGINEER

PROFILE

Equipped with analytical skills from researching, good communication skills from teaching, logic thinking from engineering. Combining all these, I am seeking opportunity to apply them in software engineering, working with smart and talented people.

Tools Archive: ReactJs, Angular, NodeJs, ASP.Net Core, Java, Android, JS, HTML, CSS, MySQL.

Machine Learning: Python (scikit-learn, Numpy, Pandas, TF, Plotly), SQL

PERSONAL DETAILS

Birth date
24/08/1991

Nationality
Australian PR/ Malaysian Citizen

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CONTACT

✉ samuelomamalin@gmail.com

📞 (+61)478230832

🌐 https://sjodcre.github.io/oma_web/

in www.linkedin.com/in/samuelomamalin/

 https://github.com/sjodcre

k https://www.kaggle.com/sjodcre

PROFESSIONAL EXPERIENCE

Software Engineer
XLEAD SDN. BHD.   Jul 2019 – Current
• Enhancement and upgrade of Android App, migrate from Eclipse to Studio, version Android 5 to 9, adding required security measures and permissions, and compatibility for older versions.
• Added new features corresponding to client's requirements, adding into the bill calculation.
• Improved device's battery usage by improving GPS tracking implementation logic.
• Focused in Utility Billing System, working with Android, VB6 and MSSQL.

Projects
PROFESSIONAL DEVELOPMENT PROJECTS   Jan 2019 – Current
Financial Analysis with Python (In Progress)
• Advancement of data analytics skills, time series analysis techniques, exposure to the Py-Finance Ecosystem. Performance comparison of Machine Learning to traditional forecasting techniques.

https://arcane-fjord-75069.herokuapp.com
• App for compilation of campgrounds submitted by users. Main components: Ejs, ExpressJs, Mongoose, MongoDB, REST API, PassportJs, Bootstrap4.

https://face-recognition-oma.herokuapp.com
• App that is used to do facial recognition in an image. Main components: ReactJs, Clarifai, ExpressJs, Knex, PostgreSQL, Bcrypt.

https://da-app-oma.azurewebsites.net/
• A dating app where users can like/message each other, and has paging sorting, filtering functions. Main components: Angular 6, ASP.NET CORE 2.2, Typescript, SQLite, AutoMapper, Angular forms, Cloudinary, JWT tokens.

Graduate Reasearch Assistant (Contract)
SUNWAY UNIVERSITY   Feb 2018 – Dec 2018
• Research topic: Robot Learning Human movements and action by watching videos
• Compiled together the most relevant researches, from the past 5 years, and compare the pros and cons of the algorithms, and use and modify the algorithms to get the desired output.
• Implement data augmentation and data pre-processing steps to get the required data format to fit into models.
• Prepared data visualization / illustration templates for ease of comparison of results.
• Built a supercomputer from scratch, identifying the bottlenecks and choose the products that produces maximum efficiency.
• Research materials: Matlab, Python, CNN, LSTM

Associate Lecturer (Contract)
SUNWAY UNIVERSITY   Jan 2018 – Dec 2018
• Subject: Programming Principles (C, Python), Artificial Intelligence, Human Computer Interaction (HCI)
• Challenged and motivated students through in-depth discussions regarding the topics being taught.,
• Prepared classroom assignments, served as guidance whenever help was needed.
• Prepared extra notes for students that fall behind, to catch up with the rest of the class.

EDUCATION

BEng – Electrical Power, Curtin University, PERTH
• CGPA 3.68   Jul 2010 – Jul 2014
• GOOD TIME MANAGEMENT SKILLS, WORKING PART TIME WHILE STUDYING.

Personal Development Courses
THE COMPLETE WEB DEVELOPER IN 2019: ZERO TO MASTERY BY ANDREI NEAGOIE   Jan 2019 – Jun 2019

THE WEB DEVELOPER BOOTCAMP BY COLT STEELE

BUILD AN APP WITH ASPNET CORE AND ANGULAR FROM SCRATCH BY NEIL CUMMINGS

SIDE ACTIVITIES

✓ Conference Paper publication, AsiaHaptics 2018

✓ 2nd place, ARC (Adv. Robotic Chal) '18 Malaysia

✓ Park of the Future Hackathon 2018

✓ CityHack 2017

✓ FIATA World Congress 2017 as Young Participant

✓ Axiata Datathon, Urbanlytics 2019

✓ World Robot Olympiad (WRO) 2018 as support.

✓ Malaysia MENSA MY008207