Luke Kokoftopoulos

Software Engineer – University of Technology Sydney

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I am a final year software engineering student with recent experience as a Junior Support Engineer and Software Engineering Intern. I have effectively juggled my studies whilst managing work expectations in pressured and fast paced environments. I am looking for opportunities where I can continue to learn and develop, where I can build and foster meaningful relationships and where I can have fun along the way.

Education

University of Technology Sydney

Bachelor of Engineering(Honours) in Software   *January 2017–November 2021*
Sub-major in Data Analytics with a focus in Machine Learning

University of Technology Sydney

Diploma in Professional Engineering Practice   *January 2017–November 2021*

Engineering Capstone

Title: *Software Security Analysis using Deep Learning*

Supervisors: Yulei Sui

Description: The project aim is to develop new techniques to detect and repair software security vulnerabilities for large and real-world software projects by leveraging deep learning and natural language processing.

Experience

GTSGroup

Junior Support Engineer   *February 2020–Current*

- Performing OSIsoft PI System support for various clients; fixing system issues and performing system health checks.
- Created various ETL Python scripts for clients.
- Designed and developed a program in Python to fetch data from PI System, then publish data to Google Sheets.
- Worked in a project team to setup, install and customise PI System for clients.

Veolia Australia and New Zealand

Engineer Undergraduate - Software   *January 2019–January 2020*

- Developed web scrapers in Python to get weather data and data from meters such as power meters and flow meters into PI System.
- Built various Python scripts to pre-process CSV, Excel and JSON data forms before ingest into PI System.
- Implemented an email attachment downloader in Python to download files from emails which saved significant effort from the company as this was previously performed manually by an engineer on a daily basis.
- Performing systems support for OSIsoft PI System; fixing system issues and enhancing functionality.

Veolia Australia and New Zealand

Software Engineering Intern   *August 2018– January 2019*

o Designed and Developed web application for internal users to input data into PI System using Angular, Node.js and Microsoft SQL Server.
o Performing systems support for OSIsoft PI System; fixing system issues and enhancing functionality.

Coles Roselands

Service Team Member   *February 2017– August 2018*

o Serving customers, handling money, packing shopping bags and arranging stock on shelves.

Technical Skills

Programming: Python, JavaScript, TypeScript, C, C++, C#, Java, MSSQL, MySQL, HTML, CSS

Frameworks: Angular, React, Node.js, Express.js, Flask, Django, Docker, GCP, Firebase, AWS

Data Science: TensorFlow, Keras, Pandas, Scikit-Learn, NumPy

Tools: Git, GitHub, Travis CI, Excel, Jira, Trello

Systems: OSIsoft PI System(Real-time data management system); PI AF, PI Vison, PI Web API, PI UFL Interface, PI Datalink

Transferable Skills

o Strong **problem solving** skill demonstrated by being a system support engineer. I regularly answer various customer problems relating to systems issues. I have also developed many ETL scripts that solve problems with data ingest to the PI System.
o Ability to work in a **team** and **independently** shown through employment at GTSGroup and Veolia. I have also worked in a variety of teams in the 6 Software Engineering Studios I have completed at university where I obtained a high distinction mark.
o Strong **communication** and **listening** skills demonstrated through employment at GTSGroup, Veolia and Coles. I communicate through email, phone, online meetings and in person to colleagues and clients.
o **Fast learner** shown by the ability to learn new tools and software quickly. I am constantly studying new software libraries and frameworks at work and university.
o Efficient **time management** shown by completing system support tickets within the resolution time at GTSGroup.
o Self motivated with a desire to continually learn and develop professionally and personally.