

# 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

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### 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

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**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

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### GTSGroup

*Junior Support Engineer*

*February 2020–Current*

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

- o Developed web scrapers in Python to get weather data and data from meters such as power meters and flow meters into PI System.
- o Built various Python scripts to pre-process CSV, Excel and JSON data forms before ingest into PI System.
- o 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.
- o 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

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**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 Vision, PI Web API, PI UFL Interface, PI Datalink

## Transferable Skills

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- 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.