Luke Kokoftopoulos

Software Engineer – University of Technology Sydney

 0478 790 532 • ✉ luke.d.kokoftopoulos@student.uts.edu.au

 lukekoko • lukekoko

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

- 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.
- Working 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.
- Pre-processing various data forms; csv, excel and json. With Python for ingest into PI System.
- Implemented an email attachment downloader in Python to download files from emails. Saving time for the company as this was done manually by an engineer on a daily basis.
- Systems support for OSIsoft PI System; fixing system issues and enhancing functionality

Veolia Australia and New Zealand

Software Engineering Intern   August 2018– January 2019

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

Coles Roselands

Service Team Member   February 2017– August 2018

- Serving customers, handling money, packing shopping bags and arringing 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

- Strong **problem solving** skill demonstrated by being a system support engineer. I regularly solve various customer problems relating to systems issues. I have also developed many ETL scripts that solve problems with data ingest to the PI System.
- 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 got a high distinction mark.
- 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.
- **Fast learner** shown by the ability to learn new tools and software quickly. I am constantly learning new software libraries and frameworks at work and university.
- Efficient **time management** shown by completing system support tickets within the resolution time at GTSGroup.
- Ability to **work under pressure** shown by working in a fast paced service environment at Coles.

University of Technology Sydney

Online Student Record

Luke Daniel Kokoftopoulos
Student Number: 12893590

C09067 Bachelor of Engineering (Honours) Diploma in Professional Engineering Practice
(Active)

      Major   in Software Engineering

      Sub-Major in Data Analytics

      Thesis Title:

Enrolled Subjects

				Result	Mark		
41046	Engineering Professional Experience 2	2020	SPR	ENROLLED		6	0
41029	Engineering Research Preparation	2021	AUT	ENROLLED		6	
48270	Entrepreneurship and Commercialisation	2021	AUT	ENROLLED		6	
42913	Social and Information Network Analysis	2021	AUT	ENROLLED		6	
41098	Software Engineering Studio 3B	2021	AUT	ENROLLED		6	
37181	Discrete Mathematics	2021	SPR	ENROLLED		6	
41030	Engineering Capstone	2021	SPR	ENROLLED		6	
41048	Engineering Practice Reflection 2	2021	SPR	ENROLLED		3	

Completed Subjects

				Result	Mark		
48024	Applications Programming	2017	AUT	HIGH DISTINCTION	92	6	6
31269	Business Requirements Modelling	2017	AUT	HIGH DISTINCTION	85	6	6
48230	Engineering Communication	2017	AUT	PASS	64	6	6
33130	Mathematical Modelling 1	2017	AUT	FAIL	42	6	0
31271	Database Fundamentals	2017	SPR	DISTINCTION	84	6	6
33130	Mathematical Modelling 1	2017	SPR	DISTINCTION	75	6	6
41081	Sensing, Actuation and Control	2017	SPR	HIGH DISTINCTION	87	6	6
31282	Systems Testing and Quality Management	2017	SPR	CREDIT	67	6	6
41035	Engineering Practice Preparation 1	2017	SUM	HIGH DISTINCTION	86	3	3
33230	Mathematical Modelling 2	2017	SUM	CREDIT	70	6	6
31251	Data Structures and Algorithms	2018	AUT	HIGH DISTINCTION	97	6	6
31257	Information System Development Methodologies	2018	AUT	CREDIT	72	6	6
68037	Physical Modelling	2018	AUT	DISTINCTION	80	6	6
41093	Software Engineering Studio 1A	2018	AUT	HIGH DISTINCTION	89	6	6
41036	Engineering Professional Experience 1	2018	SPR	DISTINCTION	80	6	6
41037	Work Integrated Learning 1	2018	SPR	DISTINCTION	80	12	12
48240	Design and Innovation Fundamentals	2019	AUT	DISTINCTION	80	6	6

University of Technology Sydney

Online Student Record

Luke Daniel Kokoftopoulos
Student Number: 12893590

C09067 Bachelor of Engineering (Honours) Diploma in Professional Engineering Practice
(Active)

Major in Software Engineering

Sub-Major in Data Analytics

41038	Engineering Practice Reflection 1	2019	AUT	CREDIT	71	3	3
41092	Network Fundamentals	2019	AUT	HIGH DISTINCTION	87	6	6
48450	Real-time Operating Systems	2019	AUT	DISTINCTION	82	6	6
41094	Software Engineering Studio 1B	2019	AUT	HIGH DISTINCTION	85	6	6
48250	Engineering Economics and Finance	2019	SPR	DISTINCTION	75	6	6
31250	Introduction to Data Analytics	2019	SPR	HIGH DISTINCTION	94	6	6
48433	Software Architecture	2019	SPR	DISTINCTION	78	6	6
41095	Software Engineering Studio 2A	2019	SPR	HIGH DISTINCTION	99	6	6
41045	Engineering Practice Preparation 2	2019	SUM	DISTINCTION	75	3	3
42028	Deep Learning and Convolutional Neural Network	2020	AUT	HIGH DISTINCTION	92	6	6
48434	Embedded Software	2020	AUT	CREDIT	67	6	6
48260	Engineering Project Management	2020	AUT	HIGH DISTINCTION	88	6	6
41096	Software Engineering Studio 2B	2020	AUT	HIGH DISTINCTION	97	6	6
31005	Machine Learning	2020	SPR	HIGH DISTINCTION	96	6	6
41097	Software Engineering Studio 3A	2020	SPR	HIGH DISTINCTION	93	6	6
41047	Work Integrated Learning 2	2020	SPR	PASS	60	12	12

Total Credit Points Gained   195

Printed by: 12893590 Printed Date: 07/03/2021 9:54:45 AM

END OF E-RECORD