

Luke Kokoftopoulos

Software Engineer – University of Technology Sydney

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🌐 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

- OSIssoft PI Systems support for various clients.
- Developing various ETL(Extract, transform, load) Python scripts for clients.
- Working in a project team to setup, install and customise the PI System for clients.

Veolia Australia and New Zealand

Engineer Undergraduate - Software

January 2019–January 2020

- Developed various Python scripts for ETL, web scraping, automation and data processing.
- Developed web application using Angular and Node.js for internal use.
- Maintaining OSIssoft PI System.

Veolia Australia and New Zealand

Software Engineering Intern

August 2018– January 2019

- Developed various Python scripts for ETL, web scraping, automation and data processing.
- Developed web application using Angular and Node.js for internal use.
- Maintaining OSIssoft PI System.

Technical Skills

Programming: Python, JavaScript, TypeScript, C, C++, C#, Java, SQL

Web Development: Angular, React, Node.js, Docker, GCP, Firebase, AWS

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

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

Systems: OSIsoft PI System; PI AF, PI Vision, PI Web API, PI UFL interface, PI Datalink

Transferable Skills

- o 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.
- 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 6 Software Engineering Studios at university where I got a high distinction mark.
- o Strong **communication** and **listening** skills demonstrated through employment at GTSGroup and Veolia. 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 learning 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.

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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							
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

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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

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