University of Waterloo

Co-operative Work Terms

Nicholaus Suprapto
20871083
2B Computer Science, Honours, Co-operative Program

Work Term	Employer	Evaluation
Sep - Dec 2021	Paramount Commerce	EXCELLENT
	Divisional Office	
	Toronto Ontario Canada	
	Integrations Analyst	

Planned Future Work Term(s)
May - Aug 2022
Jan - Apr 2023
Sep - Dec 2023
May - Aug 2024
Sep - Dec 2024

Nicholaus Suprapto

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Summary of Qualifications

- Languages: C, C++, Java, Python, SQL, Javascript, HTML5, CSS3
- Technologies: Jira, Salesforce, Git, PostgreSQL, MySQL, MongoDB, Flask, Heroku, Netlify
- Oracle Certified Associate Java Programmer
- Self-motivated team player with cooperative skills established through collaborative projects
- Proven communication skills by various involvement in leadership and formal positions
- Fast learner with competent time management skills to deliver constant quality results

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Education

University of Waterloo *2020 - 2025*
- Candidate for Bachelor of Computer Science, Honours Computer Science Co-op

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Experience

Paramount Commerce Remote Work
Merchant Integration Analyst Intern *Sept 2021 - Dec 2021*
- Utilized SQL queries to gather transaction data and extract information for merchant integrations
- Certified merchant integrations in the staging environment to meet compliance requirements
- Documented request parameter constraints and errors for all internal products to speed up the merchant integration process
- Researched and recommended mobile emulator tools to simplify the current automated and live testing practices
- Assisted the company-wide Salesforce migration by migrating all Merchant Integration Jira tickets and created new Reports and Dashboards in Salesforce

University of Waterloo Mathematics Tutoring Center Waterloo, ON
Undergraduate Tutor *Jan 2022 - Present*
- Provided extended learning to students enrolled in M135/136: Linear Algebra and M137/138: Calculus to help them improve academic performance and gain better knowledge for the course

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Projects

Biquadris ⓞ *September 2021*
- Collaborated in creating Biquadris, a command line version of Tetris, using **C++**.
- Implemented the MVC architecture pattern where players enter their command on the terminal and displays the board in a graphical interface using the X11 library
- Implemented the Observer design pattern for cells and the Decorator design pattern for the board

Maze Solver ⓞ *August 2021*
- Collaborated in creating a maze solver web application where users can create a maze in the web interface created using **Pixi.js** which will be solved by our algorithm using Breadth-First Search
- Implemented the backend of the website using **Express.js** and designed the database to store maze data using **MySQL**

TraceNext ⓞ TOHacks, *May 2021*
- Built a contact-tracing web application using **Flask** web framework that allows users to add previously visited locations and alert specific users if there has been contact with Covid patients
- Implemented dynamic HTML pages using **Jinja2** and used **Google Maps API** to add maps feature
- Utilized **Heroku Postgres** Database to store web data and used **SQLAlchemy** ORM to retrieve data

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Achievements

- Oracle Certified Associate, Java SE 8 Programmer *2021*
- Harvard University CS50x Completion *2020*

Personal Interests

- Hackathons: GarudaHacks 2020, TOHacks 2021
- Writing / Personal Blog

UNIVERSITY OF WATERLOO
UNOFFICIAL GRADE REPORT

Nicholaus Suprapto
20871083

2B Computer Science, Honours, Co-operative Program

Spring 2022

PD	1	Career Fundamentals	
PD	10	Professional Resp in Computing	
PD	11	Technical Writing	
Term Average:	N/A	Decision:	

Winter 2022

CS	241	Foundations of Sequential Prog	
CS	245	Logic and Computation	
CS	251	Computer Organization & Design	
STAT	231	Statistics	
ENGL	210E	Genres of Tech Communication	
Term Average:	N/A	Decision:	

Fall 2021

COOP	1	Co-operative Work Term	CR
PD	11	Technical Writing	NCR
Term Average:	N/A	Decision:	

Spring 2021

PD	1	Career Fundamentals	CR
AFM	231	Business Law	86
CS	246	Object-Oriented Software Devel	94
MATH	237	Calculus 3 for Honours Math	92
STAT	230	Probability	90
MATH	235	Linear Algebra 2 (Hon Math)	87
Term Average:	89.8	Decision: Excellent Standing	

Winter 2021

AFM	102	Intro to Managerial Acct	97
CS	136	Elem Alg Design & Data Abstrac	91
SPCOM	223	Public Speaking	85
MATH	136	Linear Algebra 1 (Hon Math)	92
MATH	138	Calculus 2 for Honours Math	87
Term Average:	90.4	Decision: Excellent Standing	

Fall 2020

MTHEL	199	Special Topics	CR
		First year readiness	
MATH	137	Calculus 1 for Honours Math	85
SEQ	4	Co-op Sequence 4	
AFM	101	Intro to Financial Accounting	91
CS	135	Designing Functional Programs	95
MATH	135	Algebra for Hons Mathematics	90
ENGL	109	Intro to Academic Writing	90
Term Average:	90.2	Decision: Excellent standing	