

JAIMISHRAN C CHANDRASEKHAR

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WORK EXPERIENCE

CARE CONCIERGE – Kuala Lumpur, MY

Software Engineer Intern, June 2021 – August 2021, (Internship)

My responsibilities include Flutter development and maintenance of the company's all in one cross platform mobile applications JomCARE and CAREConcierge for iOS and Android. Project management software used is Jira and for version control bitBucket is used.

NOVO NORDISK – Kuala Lumpur, MY

Commercial Effectiveness Intern, June 2020 – August 2020, (Internship)

Worked on a Data Cleansing Project for Novo Nordisk Malaysia, Singapore, and Brunei whereby the company transitioned to a cloud database system for all past and future commercial data.

EDUCATION

UNIVERSITY OF NOTTINGHAM – Nottingham, UK

MSci Hons Computer Science (UoN), September 2019 – July 2023

Predicted Results: Second Class Upper

Modules include:

- Software Engineering Group Project: 86%
- Fundamentals of Information Visualization: 76%
- Individual Dissertation: 74%
- Databases and Interfaces: 72%
- Collaboration & Communication Technology: 72%
- Professional Ethics in Computing: 71%
- Business, Human rights & Sustainable development: 70%
- Fundamentals of Artificial Intelligence: 67%

SUNWAY UNIVERSITY COLLEGE – Subang Jaya, MY

Canadian International Matriculation Programme (CIMP), 2018

Final Results: 88% Average, Ontario Scholar Award

Modules include:

- **MHF4U** Mathematics for Advanced Functions: 96%
- **BBB4M** International Business Fundamentals: 96%
- **MDM4U** Mathematics for Data Management: 91%
- **TGJ4M** Communication Technology: 93%
- **ENG4U** English for University: 83%
- **SPH4U** Physics: 72%

PROJECTS

4th Year MSci Individual Research Project - Nottingham, UK (Ongoing)

HCI Focused Visualisations Of Cyber Security Metrics In Businesses In The UK, September 2022 – present

The aim of this project is to conduct an empirical study to identify the quantitative and qualitative metrics used by cyber security decision makers for supporting cyber security related decisions.. This project will also introduce Human Computer Interaction principles with the aim of creating a dashboard visualisation that will display information regarding the metrics collected and analysed through this project.

3rd Year Undergraduate Dissertation – Nottingham, UK (Distinction)

Usable Security – Interactive Secure Systems (Smart Home) September 2021 – May 2022

My research is aimed at designing and building secure systems with a human-centric approach to ultimately create usable security solutions for a wider demographic of users irrespective of their age, gender and proficiency with technology with focus in smart home applications.

2nd Year Software Engineering Group Project – Nottingham, UK (Distinction)

Capital One & University of Nottingham, September 2020 – May 2021

Worked on a project for Capital One titled “Good Finance Habits” as part of my 2nd year university project. The project is to develop a cross platform finance & lifestyle app. My role in the project is the front-end developer. I am tasked with coding the user visible portions of the app. The project is based on “Flutter” frameworks and uses Dart as the programming language to develop the IOS and Android applications.

World Robot Olympiad 2015 – Doha, QA (Gold Medal)

PROJECT M.E.C.H, 2015

M.E.C.H stands for mechanically enhanced crisis handler. This project is aimed at reducing the risk of underground mining. Over the years there has been numerous cave ins in mines across the world with some taking longer than a month to rescue the trapped miners. Project MECH consists of an exoskeleton suit, land drone, and a tracking drone above the mines. This solution could potentially reduce the rescue time to a matter of days when implemented and will save more lives in the process. YouTube link: <https://youtu.be/5iqqs37ucow>

World Robot Olympiad 2014 – Sochi, RU (Finalist, 6th Place, Excellence Award)

PROJECT APOLLO 2020, 2014

This project is based on the concept of a futuristic preparation and early warning system on Mars. NASA has the ambition to plan a manned mission to Mars but they have not reached to a conclusion because of the dangers of the rocky terrain and unpredictable weather on Mars. Project Apollo 2020 is the key to this problem. It allows humans to further study the terrain as well as the atmosphere before planning a mission. The project also has the means to study the weather and various natural phenomenon on the red planet. For example, the project can provide early warnings as well as collect geothermal evidence from an impending mars-quake.

HONOURS & AWARDS

- Gold Community Service Award 2018
- Ontario Scholar Award 2018
- Extra-Curricular Award Certificate of Recognition 2018
- Sunway College Special Scholarship 2018
- National Co-curriculum Award 2015
- Gold Medal - World Robot Olympiad 2015, Doha, Qatar
- Gold Medal - National Robotics Competition 2015
- Gold Medal - Selangor State Robotics Competition 2015 & (Innovation, Best Presentation Award)
- 6th placing & Cert of Excellence - World Robot Olympiad 2014, Sochi, Russia
- Gold Medal - National Robotics Competition 2014
- Gold medal - Selangor State Robotics Competition 2014 & Innovation Award

LEADERSHIP

- EDI Officer of CompSoc (2022-2023)
- Certified as a First Aid Responder, University of Nottingham, UK (2020-2023)
- Treasurer of Southwell Hall, University of Nottingham, UK (2019-2020)
- Vice President of Student Council CIMP (2018)
- Treasurer of Student Council CIMP (2018)
- Head Prefect of SMK USJ 4 (2016-2017)
- Vice President of Prefect Council Subang Jaya (2017)
- President of Robotics Club (2017)
- Treasurer of Taekwondo Club (2017)
- Vice President of Robotics Club (2015)
- President of Ping Pong Club (2014)

SKILLS

- **Cross Platform Dev:** Flutter – (IOS, Android, Web)
- **Web Dev:** HTML, JavaScript, CSS, MYSQL, Firebase
- **Data Science:** R, Python,
- **Robotics:** NXT, EV3, Arduino, Raspberry Pi, ROS, Python, Tetris
- **OO Programming:** C, Java
- **Image Processing/Vision/AI:** MATLAB, Python
- **Database & Hosting:** MYSQL, Firebase.
- **Photography & Videography:** Adobe Photoshop, Premiere Pro, Illustrator, Final Cut Pro, Logic Pro.
- **UI/UX Prototyping:** Figma, Adobe XD, Zeplin.
- **Microsoft:** PowerPoint, Word, Excel, Teams, Forms.
- **Project Management:** Trello, Jira, bitbucket, GitLab, GitHub.

LANGUAGES

- English (Native Proficiency)
- Malay (Full Professional Proficiency)

LICENSES & CERTIFICATIONS

- *Basics of Disciplined Agile – Project Management Institute, PMI*
- *Student Member of BCS – British Computer Society, BCS*

VOLUNTEERING

- *Student IT Support Tutor – University of Nottingham*
 - As an IT Support Tutor I am tasked with offering support to other students on a range of IT services, including, email, Microsoft 365, connecting to the Wi-Fi and printing documents.
- *Residential Assistant (ResX) – University of Nottingham*
 - My responsibilities include reporting on student incidents, delivering support for areas in which we are trained, sign posting to appropriate services for further support if required and escalating issues or incidents if necessary.
- *Peer Tutor – Sunway University College*
 - Tutoring students struggling in Maths
- *Student Representative – Sunway University College*
 - Took part in numerous activities including teaching English at underfunded state schools, visiting and helping at orphanages accumulating to over 50 community service hours.