Hoang Cuong Nguyen

CONTACT INFORMATION	7/183 Auburn Road, Hawthorn, VIC 3122. Tel: (+61) 405 452 538

7/183 Auburn Road
Hawthorn,
VIC 3122.
Tel: (+61) 405 452 538

Email:hoangcuongnguyen2001@gmail.com
Linkedin:www.linkedin.com/in/hoangcuongnguyen
GitHub:github.com/hoangcuongnguyen2001

EDUCATION

Swinburne University of Technology, Melbourne, Victoria
Bachelor of Computer Science (Honours) — *Mar 2023–Dec 2023 (expected)*
Bachelor of Computer Science (Testamur) — *Mar 2020–Dec 2022*

- **Major:** Data Science. **Minor:** Finance.
- **GPA:** 3.75/4 (*Transcript*)
- **Coursework:** Data Structures, Data Analysis and Visualisation, Object-Oriented Programming, Statistics, Big Data Architecture and Management, Cloud Computing Architecture, IT Security.

EMPLOYMENT

- **Summer Vacation Student,** CSIRO's Data61 — *Nov 2022 – Feb 2023*
  - Developing a website to visualise attack techniques from Cyber Threat Intelligence reports.
  - Integrating chatbot text-davinci-003 to help cyber analysts finding accurate techniques and mitigation methods, and comparing the effectiveness in finding attack techniques with ChatGPT.
  - Languages & Technologies: Python, D3.js, Graphviz, JavaScript.

- **Study Group Leader,** Swinburne University — *Mar 2022 - Nov 2022*
  - Tutoring a group of 5 students in the Foundations of Statistics unit in Swinburne University.
  - Providing strategies for success in Foundations of Statistics unit, as well as in the university' course.

HIGHLIGHTED PROJECTS

- **Cyber Threat Intelligence Visualisation** — *Nov 2022 – current*
  - Project for summarising and visualising cyber threat intelligence (CTI) reports, built during the studentship and Honours projects with CSIRO's Data61.
  - Languages & Technologies: Python, D3.js, Graphviz, Flask, REST API.

- **Sentiment Analysis of Social Media** (*website*) — *Mar 2022 – Nov 2022*
  - Group project for analysing sentiment of social media (Twitter and Reddit) users, by processing tweets and create visualisations, such as word cloud and pie chart of sentiments.
  - Languages & Technologies: R, Python, Shiny.

- **Interactive Visualisation of Australian Food Waste Problem** (*website*, *code*) — *Mar 2021 – Jun 2021*
  - Group project for visualizing the food waste situation in Australia, including the comparison between Australian states and between Australia and different countries. Interactive features including data filtering and detail-on-demand.
  - Languages & Technologies: HTML/CSS, D3.js.

TECHNICAL SKILLS

- *Programming Languages*: C++, Python, C#, Java, JavaScript, PHP, R.
- *Web frameworks*: D3.js, Flask (REST API).
- *Cloud frameworks*: Amazon Web Services (AWS), Oracle Cloud Infrastructure (OCI).
- *Databases*: MySQL, MongoDB.
- *Libraries*: Scikit-learn, TensorFlow, Apache Hadoop, Shiny, Graphviz.
- *Technical Softwares*: Tableau, Microsoft Power BI, SPSS.
- *DevOps Tools*: GitHub, Bitbucket.

CERTIFICATES

- **Deep Learning: Face Recognition**, Linkedin Learning, Sep 2021.(*certificate*)
- **Applied Machine Learning: Algorithms**, Linkedin Learning, Aug 2021.(*certificate*)
- **The Data Science Course 2021: Complete Data Science Bootcamp**, Udemy, Aug 2021.(*certificate*)