

# Khoa Nguyen An

SOFTWARE ENGINEER · HONOURS DEGREE · MONASH UNIVERSITY

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*"There's a risk in everything. Be brave. Make yourself proud. Do it anyway"*

## Objective

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My name is **Khoa Nguyen An**. I'm a Honor Software Engineering sophomore at **Monash University** with enthusiasm for building apps and algorithm applications. Besides my school works, I also work on solving Data structures and Algorithms problems.

**My goal** is to be an excellent software engineer in the future, create wonderful applications that make people's lives better. Now, I am looking for internship to apply my knowledge and create a website/web application.

## Skill

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<b>Programming</b>	HTML/CSS/JavaScript · Nodejs · TypeScript · SASS · C/C++ · Python · Java · Swift
<b>Stack</b>	Git/GitLab · Bootstrap · MongoDB · SQL · Xcode
<b>Framework</b>	React · Express · Angular
<b>Soft skills</b>	Problem Solving, Leadership, Data structures, Object-Oriented Programming, Agile Methodologies (Scum), English - IELTS 6.5, Chess

## Education

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### Monash University

HONOURS DEGREE OF ENGINEERING, SOFTWARE MAJOR

Melbourne, AU

Nov 2020 - Nov 2024

- Cumulative Average: 84%
- GPA: 3.5 / 4.0

#### Noticeable score units :

- FIT2004: Algorithms and data structures - **90 HD**
- MAT1830: Discrete mathematics for Computer Science - **95 HD**

## Experience

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### Monash University - Department of Human-Centred Computing

Jun. 2022 - July.2022

RESEARCH ASSISTANT

- **Project - Support Document Annotation** (Look at decision report, finding paragraphs where they mention about witnesses) : Make Heuristic rules. Generate training and testing data, work out feature representation (using Bag of N-gram), use Multinomial Naïve Bayes to train

### Codelynx

Dec. 2021 - Feb.2022

SOFTWARE ENGINEER INTERN

- Working with MERN (MongoDB, Express, React and Nodejs)
- Deploy the web/web app by Terraform + AWS

- Despite having just studied the first semester at University, I was very lucky to be a Phenikaa Mass's member as a front end developer. From here, I've learnt a lot about the web development, scrum process and the way to design and create a Web application using **Angular and libraries** such as Material-UI for building an employee management website.

## Highschool Informatics Olympiad Team

July. 2017 - Sep. 2020

PARTICIPANT

- Develop skills in competitive programming (Algorithms and Data structures)
- Coach and support other students in learning
- [https://codeforces.com/profile/\\_Kamikaze](https://codeforces.com/profile/_Kamikaze)

## Projects

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### Chemistree - A dating IOS App for tree lovers

DEVELOPER

- Developing an **IOS app via XCode** that would bring everyone around the world close to each other by sharing a same favourite tree.
- Using this app, people can **post photo of the trees** they like and anyone who think alike can organize a **meetup at that location**. The purpose of this app is getting people to hang out and having fun with their favorite trees
- <https://github.com/KhoaNguyenAn/Chemistree>

### The Accessible Food Widget

DEVELOPER

- Worked in a small team of 3 + 1 **Scrum** master within a Scrum environment to develop an web application for finding foods nearby you ( **using MapBox and Geopify API** ) and experienced deeply in **HTML, CSS and Javascript**
- <https://github.com/KhoaNguyenAn/The-Accessible-Food-Widget>

### Dark Souls III Game ("Rogue-like" game)

DEVELOPER

- Design the system of the game by applying many **key concepts of OOP**, design patterns, good design software, reduce dependency. Follow deeply many important principles such as **SOLID principles** and apply **Dependency Injection** to loose coupling between components.
- <https://github.com/KhoaNguyenAn/DarkSoulsIIIgame>

## Achievements

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- *Monash Winter Vacation Research Scholarship – Department of Human-Centred Computing*
- *Monash Engineering International Undergraduate Excellence Scholarship*
- *Engineering Dean's Honour List of Monash University 2021*
- *Honorable Mention at The 2021 ICPC South Pacific Regional Contest Divisional*
- *First place in Monash Competitive Programming Club 2021 (MCPC)*
- *Third prize at HCMC Excellent student Contest in Informatics (Academic Year 2019 – 2020)*
- *First place in Informatic summer camp organized by Le Quy Don Vung Tau High School*
- *Consolation Prize at Ho Chi Minh City Youth Informatics Contest 2017*