

EDUCATION

National University of Singapore

Aug 2021 - Jul 2024 (Expected)

Bachelor of Computing (Honours) in Computer Science

- Cumulative Average Point: 4.82/5.0

TECHNICAL SKILLS

- **Programming Languages:** Python | Java | JavaScript
- **Front-End:** Next.js | React.js | Vercel | TailwindCSS | HTML5 | CSS3 | Bootstrap 4 | jQuery
- **Back-End:** Django | Node.js | AWS EC2 | AWS Lambda
- **Database/Storage:** PostgreSQL | MongoDB | AWS DynamoDB | AWS Appsync | GraphQL | AWS S3
- **DevOps:** Git | Github Actions | Sourcetree | Terraform | Jest | Cypress | Postman | Docker

WORK EXPERIENCE

INTERSEED.CO Front End Engineer (<https://app.interseed.co/>)

Mar 2022 - Present

- Cultivated a community of 182 members and 34 organisations interested in sustainability on a web application
- Solved users' pain points by implementing mobile-responsive community map with search and 4 filter components
- **Tech Used:** MongoDB, Express.js, React.js, Node.js, Redux, Github Actions

SG CODE CAMPUS

Course Instructor/Curriculum Developer

May 2021 - Present

- Coordinated and conducted the inaugural AWS-IMDA Data Science Bootcamp and Accelerator Programme for >200 secondary school students across Singapore to learn about, train, and compete with deep learning models
- Coached 27 adult participants to achieve SMU's Advanced Diploma in Python Programming and Applied Data Analytics certification
- Devised presentation materials and complementary projects for various programmes involving deep reinforcement learning, hyperparameter tuning, OOP, web development, Swift, and Python (partnered with AWS, IMDA, Apple, and Radin Mas Primary School)

Deep Learning Intern

Apr 2021 - Jul 2021

- Conducted hyperparameter optimisation using grid search over soft-actor critic and proximal policy optimisation algorithms
- Compiled comprehensive guide on AWS DeepRacer and deep reinforcement learning concepts for the AWS IMDA Bootcamp
- Developed hackathon preparation guide by training models on the AWS DeepLens with AWS SageMaker, Lambda, and Rekognition

NESTED TECHNOLOGIES Lead Software Development Intern

Nov 2020 - Mar 2021

- Oversaw 3 full-stack web application projects deployed on AWS and a software development team of 10
- Implemented automation & machine learning software for client search, automated emailing systems, and floor plan analysis
- Designed front-end UI/UX and beautified our web applications with dark mode, modals, and animations
- **Tech Used:** Python, Django, HTML5, CSS3, JavaScript, Bootstrap 4, jQuery, AWS, Docker, Postman, PayPal SDK, Github Actions

PROJECTS

THESOCIALPITSTOP Full Stack Engineer (<https://thesocialpitstop.vercel.app>; [report](#); [poster](#); [video](#))

May 2022 - Present

- Designed and built a serverless web application in 3 months with a fellow student to connect businesses and social enterprises for corporate social responsibility projects; awarded Orbital - Apollo 11 (Advanced) certification
- **Tech Used:** Next.js, AWS, Terraform, GraphQL, Auth0, Algolia, Jest, Cypress, Github Actions, Vercel

EXTRA-CURRICULAR ACTIVITIES

NUS FINTECH SOCIETY Tech Lead (Software Development)

Aug 2022 - Present

- Managed a team of 4 software engineers to revamp the NUS Fintech Society website

TEMBUSU TENNIS TEAM Vice-Captain

Aug 2022 - Present

- Coached beginners weekly to pick up tennis and play matches; organised team-building sessions at external clay courts
- Clinched 2nd place in the annual Inter-College Games for Tembusu College

NUS STUDENTS AGAINST VIOLATION OF THE EARTH Green Canteens Ambassador

Aug 2021 - July 2022

- Oversaw the proper segregation of food waste at stalls and tray return areas across 10 canteens in NUS, significantly increasing the proportion of food waste that was co-digested into energy

ADDITIONAL INFORMATION

- **Courses/Certifications:**
 - **In Progress:** AWS Certified Developer - Associate | DeepLearning.AI Deep Learning Specialisation
 - **Completed:** Orbital - Apollo 11 (Advanced) | Stanford University Machine Learning | Johns Hopkins University HTML, CSS, and Javascript for Web Developers | Smartcademy Data Analytics
- **Hobbies/Interests:** Dance (Hip-Hop, K-Pop), Tennis, Sustainable Technology