# DENZYL CHUA DE HAN

chuadenzyl@gmail.com | 9654 6659

## EDUCATION

**NANYANG TECHNOLOGICAL UNIVERSITY**
**Bachelor of Computing (Hons) in Computer Science**                                       **2024 - Present**
Expected Graduation: 2027

**SINGAPORE POLYTECHNIC**
**Diploma in Information Technology - Specialization in UI/UX Design**                      **2019 - 2022**
Relevant Modules: User Interface Design, Infographics, Narrative Thinking, Design for User Interaction, Data Analysis Using Excel, Programming for Data Science

Final Year Project: WetMart – Built a full-stack e-commerce platform using React.js, Express.js, Node.js, and SQL. Focused on user and order flow data. Received Grade A.

## EXPERIENCE

**HONGKONG AND SHANGHAI BANKING CORPORATION**
**Business Finance, Partnering and Insight**                                               **Feb 2022 - Sep 2022**
**Business Finance, Student Work Placement**                                               **Sep 2021 - Feb 2022**
- Delivered value-added analysis by examining asset and liability balances to support business and product owners in meeting financial targets and improving cost efficiency.
- Automated the generation of Excel-based financial result sheets using Python (pandas, NumPy, openpyxl), significantly reducing manual effort while enhancing accuracy.
- Developed and maintained Qlik Sense dashboards to visualize trends, enabling business and product owners to monitor performance and make data-driven decisions.
- Conducted a 6 weeks long python for data analytics course, company wide with over 200 participants, to improve coding literacy and encourage non-coders to try out basic automation.

**THE LAB SINGAPORE**
**Coding Instructor**                                                                      **Mar 2021 - Feb 2022**
- Taught Python programming to students aged 7–16, using both text-based code and drag-and-drop tools to suit different age groups and learning levels.
- Applied coding concepts to real-world applications through hands-on projects involving Lego Mindstorms, Lego Spike, and Arduino, helping students understand logic, sequencing, and debugging.
- Provided personalized feedback to parents and identified learning trends, sharpening my user empathy and stakeholder communication

**MINDCHAMPS PRESCHOOL**
**IT Assistant**                                                                           **Oct 2020 - Mar 2021**
- Provided day-to-day tech support to staff and students, resolving hardware and software issues to ensure smooth operation of Google Classroom and other learning platforms during COVID-19 remote learning.
- Set up and maintained IT equipment including BenQ Boards, laptops, and network devices, supporting both administrative and classroom tech needs.

## AWARD

**People's Choice Award, NTU Product Club x Coffee Meets Bagel, Internal Product Challenge (2024)**
- Most voted solution among six multidisciplinary teams for designing and prototyping a feature for Coffee Meets Bagel that reinforces its USP of serious dating by encouraging more thoughtful first messages. Leveraged user research, journey mapping, and iterative prototyping to present a compelling product solution.

**1st Runner-Up, National Organ Transplant Unit Hackathon (2024)**
- Competed against five other teams of university students to address public misconceptions about organ donation in Singapore. Proposed an interactive roving roadshow to bring conversations into the community, emphasizing empathy-driven messaging and behavioural change.

## EXTRACURRICULAR ACTIVITIES

**NANYANG TECHNOLOGICAL UNIVERSITY, COLLEGE OF COMPUTING AND DATA SCIENCE**
**Student Ambassador**                                                                 **Nov 2024 - Present**
- Supported student outreach at career fairs and school visits, promoting NTU's computing and data science programs to prospective polytechnic and JC students.
- Helped organize and run workshops and hackathons to spark interest in programming, data analytics, and innovation.

**NANYANG TECHNOLOGICAL UNIVERSITY, CRESCENT HALL**
**11th Crescent Hall Council, Welfare Director**                                        **Aug 2024 - Present**
- Led welfare initiatives for hall residents, including planning the International Student Welcome Day to build community and cultural understanding.
- Acted as a key point of contact for resident support and feedback, helping to improve student experience within the hall.

**CODE IN THE COMMUNITY**
**Coding Instructor (Volunteer)**                                                       **Jul 2022 - Sep 2022**
- Taught basic coding concepts using Strawbees to children from underserved backgrounds.
- Created a fun and inclusive learning environment that encouraged curiosity, creativity, and engagement in STEM.

## ADDITIONAL INFORMATION

**Technical:** Canva, Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator, Python, Excel, C, Java, JavaScript, SQL, Pandas, NumPy, Matplotlib, React.js, Node.js, Express.js, Qlik Sense, Git
**Certification:** MOE Registered Information Technology Instructor