Chin Chun Zhen

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EDUCATION

Nanyang Polytechnic   Apr. 2023 – Apr. 2026
Diploma in Information Technology
- Cumulative GPA: 3.98/4.00
- Achieved Director's List in all 6 semesters
- Awarded CSIT-Nanyang Scholarship
- Specialized in Artificial Intelligence (AI)

Chung Cheng High School (Yishun)   Jan. 2019 – Nov. 2022
Singapore-Cambridge GCE Ordinary (O) Level
- Attained A1 for Computing

TECHNICAL SKILLS

- **Front-end Web Development:** HTML, CSS, JavaScript/TypeScript, React, TailwindCSS
- **Back-end Web Development:** Flask, FastAPI, Node.js
- **UI/UX Design:** Figma
- **Databases:** SQL, MongoDB
- **Version Control:** Git, GitHub
- **Programming Languages:** C, C++, C#, Rust, Python, Lua
- **Project Management:** Agile and Scrum methodologies

WORK EXPERIENCE

Centre for Strategic Infocomm Technologies   Apr. 2025 – Apr. 2026
Software Engineer Intern
- Collaborated with a team of 5 developers to design and implement a secure internal communication system using React and Node.js
- Developed and maintained RESTful APIs to facilitate data exchange between front-end and back-end systems
- Assisted in the creation of machine learning models for network anomaly detection, improving threat identification by 15%
- Participated in code reviews and implemented feedback to improve code quality and maintainability
- Conducted unit testing and integration testing to ensure robustness of developed features
- Delivered a final presentation on the internship project to a panel of 20 senior engineers and executives and received commendation for the presentation

Hyperclocked Technologies   May 2021 – Jan. 2025
Co-founder
- Built and designed a full-stack e-commerce website for custom PC configuration and ordering
- Optimized website performance, achieving a 30% reduction in page load times and improving SEO rankings
- Assembled and quality-checked custom PCs based on customer orders, ensuring high-quality builds and customer satisfaction

CO-CURRICULAR ACTIVITIES

School of Information Technology (SIT) Club   **Apr. 2023 – Apr. 2026**
Member
- Assisted with major school events like Early Admissions Exercise (EAE) Festival and Open House
- Participated in numerous events, including hackathons and workshops

National Cadet Corps (Air)   **Feb. 2019 – Mar. 2022**
Staff Sergeant (Junior Cadet IC)
- Led and mentored a team of 22 cadets, developing their leadership and technical skills
- Trained cadets in drills and conducted basic flight theory courses
- Planned and organized CCA trainings
- Represented school in inter-unit competitions

AWARDS & ACHIEVEMENTS

- **CSIT-Nanyang Scholarship**   **2024 – 2026**
- **PCEP - Certified Entry-Level Python Programmer**   **2023**
- **National Youth Achievement Award (Silver)**   **2022**

HOBBIES & INTERESTS

Volunteer Work
- CARE by Chung Cheng: Helped elderly commuters carry heavy bags of groceries
- Project Empathy: Initiated a project to create fun activities for patients in hospice care
- Woodlands Primary School Alumni Games Day: Facilitated sports events for primary school students

Interests
- Mechanical keyboards
- Compilers
- Operating systems
- PC building

REFERENCES

Mr. Joey Zhang
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