

CHENG HUAN AN

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EDUCATION

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

May 2017 – Sep 2020

Bachelors in Engineering, Information Systems Technology and Design (Honours with Distinction)

NATIONAL TAIWAN UNIVERSITY

Computer Science and Information Engineering

Sep 2019 – Jan 2021

WORK EXPERIENCE

VISA INC.

Software Engineer

Oct 2020 – Present

- Automated several recurring manual processes using shell scripts and Python, reducing hours of work to minutes or less
- Created Splunk dashboards to display delays, volumes and other metrics for faster troubleshooting and performance analyses
- Shared knowledge on various work activities through clear documentations, speeding up onboarding and enabling back-ups in the team who can refresh their memory with the documented steps when required
- Initiated several work improvements including the aforementioned automations and documentation
- Investigate and resolve production issues (mostly on Linux servers) both independently and alongside other teams, maintaining a 100% security compliance and 99.99% availability of servers in FY21
- Fixed bugs and maintained code for various Java applications
- Handled a project migrating an app to a new higher availability set-up. This involved coordination with multiple teams to set up the new servers, installation of the new release, troubleshooting and keeping stakeholders updated among others
- Received multiple recognitions from team members, tech leads and managers for good communication and performance

Software Engineer Intern

May 2019 – Aug 2019

- Developed an interface that allows authorized users to switch the active data center for a major application within the team, along with the display of its execution status. Front-end: Angular; Backend: Java, Spring

BO CONG ANH STUDIO – VIETNAM

Quality Assurance Intern

May 2018- Aug 2018

- Performed black-box UI and functional testing at different phases of development of a website and two mobile applications
- Initiated and introduced the use of automated testing using Selenium, Appium and Applitools Eyes
- Attended meetings with clients and addressed their questions and requests for new features on a regular basis

PROJECTS

AUTOMATED THREAT MODELLING IN DEVSECOPS

Capstone Project with DBS

Jan 2020 – Aug 2020

- Worked in a multi-disciplinary team of 7 and an industry mentor in going through the design process of problem statement scoping, analysis of current market solutions, ideation and iterations before coming up with an intuitive, actionable tool that is able to present security threats and mitigations based on the components of a software project
- Developed the backend for the generation of ‘attack trees’ – representations of possible security threats and mitigations in a project – by extracting relevant data from multiple threat libraries according to given inputs using Python, Selenium, Pandas and various other libraries
- Used cronjob for scheduling updates and Git for version control
- Public-facing video demo: <https://youtu.be/T8Hg9cVfqzc>

EVENT SCHEDULING WEBSITE

Group School Project

Feb 2019 – May 2019

- Implemented the front-end of an event scheduling website using Bootstrap atop HTML/CSS/JS and handled the backend implementations using Django and SQLite

ORGANIZATIONS

SUTD PRODUCTIONS

Education Manager

Aug 2017 – Nov 2018

- Created educational materials and organised over 10 workshops to educate students on the different aspects of a film, such as camera operations, video editing, styles of films, sound design and so on
- Part of the 2018 Exco given the Outstanding Student Organisation award in the university
- Involved in multiple video productions, taking on different roles including script-writing, producing, filming and editing

SUTD UNIVERSITY AMBASSADORS

Member

Sep 2017 – Sep 2019

- Led campus tours for over hundreds of guests and prospective students and addressed queries about the school in acceptance teas, donor appreciations and various other external-facing events

SUTD DIGITAL AND DEVELOPMENT CLUB

Club Representative for Women In Tech Event

Jun 2017 – Aug 2017

- Taught the basics of coding using Sphero to interested visitors of the event
- Liaised with the university's marketing department to handle the admin and logistics of the event for the club's booth

SKILLS & LANGUAGES

- *Computer Languages*: Proficient in Python. Moderate proficiency in Bash, Java, Go, C#, Typescript, HTML/CSS/JS
- *Skills*: Software Development, Web Development, System administration
- *Databases*: SQL, SQLite, Cassandra
- *Languages*: Fluent in spoken and written English and Mandarin

CERTIFICATIONS

- <https://www.credly.com/users/huan-an-cheng/badges>
- Splunk Core Certified User: Certificate for users who demonstrate basic ability to navigate and use Splunk software.
- Professional Scrum Master I & II: PSM II certificate holders prove that they have an understanding of the underlying principles of Scrum and can effectively apply Scrum in complex, real-world situations.