

BOON YEOW KOH

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EDUCATION

Bachelor of Science in **Computer Science (3.98 GPA)**
Arizona State University [Tempe, AZ, USA]

Graduating May 2022

TECHNICAL SKILLS

Programming: Java, C/C++, Python, HTML, CSS, JavaScript **Other:** Microsoft Excel, Tableau, PowerPoint, Word, Visio
Tools/OS: GitHub, Linux, Windows, MacOS **Languages:** English, Mandarin, Cantonese

PROFESSIONAL EXPERIENCE

Surbana Technologies / Surbana Jurong, Singapore: STPL Intern 6/2019 – 8/2019

- Designed and cross-compiled a C program into **Raspberry Pi** that uses **serial communication (UART)** to retrieve and decode LMD (Lift Monitoring Device) protocols to detect lift faults
- Monitored and updated 750 lifts and LMPD (Lift Monitoring Predictive Device) IoT software for STPL data scientists to collect data and test algorithms for predictive maintenance
- Published a LMPD deployment manual for STPL Technicians to improve technicians understanding and work efficiency

AT&T Summer Learning Academy Externship: AT&T Extern 6/2020 – 7/2020

- Completed entry-level training in data visualization, human resources, communication, media and technology, and leadership to analyze how businesses use data and technology to solve problems
- Networked with students and AT&T employees through LinkedIn and gained business and technology acumen through 80 hours of online learning and renowned speakers

United Parcel Service: PDI Assistant 9/2020 – 11/2020

- Scan and sorted air delivery documentation using a Pickup Delivery Image (PDI) mobile application for 50 companies in the west coast and Jurong region to ensure that goods can quickly pass international customs without delay
- Calculated and updated UPS drivers' documentation statistics using google sheets for the supervisor to monitor and improve driver's productivity

ACADEMIC PROJECTS

ASU EmergenTech Hackathon 2/2020

- Created a banking simulator application with budgeting features using Java
- Developed a website for the banking simulator application using HTML and CSS
- Presented our project to the judges from Amazon, Bank of the West, and Abt Associates

ASU AME 220: Programming for the Web 1/2020 – 3/2020

- Programmed and launched a self-portfolio website on to GitHub Pages using HTML and CSS

ASU Sunhacks Coding Hackathon 9/2019

- Created an all-in-one productivity website using HTML CSS, and JavaScript with calendar, chat bot, and a to do list

LEADERSHIP

ASU Singapore Student Association, Tempe, AZ: Founder and President 1/2019 – Present

- Created a platform for 20 Singaporean exchange students and full-time students to connect and help each other
- Planned and facilitated a zoom event for 6 west-coast universities to help Singaporean students from different universities to connect and make new friends through games and social activities
- Organized and led a 2-day Grand Canyon camping trip for Singaporean exchange and international students to bond together

ASU Bridges Undergrads, Tempe, AZ: Student Leader and Facilitator 8/2020 – Present

- Hosted virtual family group meetings for 13 international students to discuss about relational topics and how it relates to the bible
- Led games and social activities for international students to strengthen bonds with each other