

Andrew Trevor Cheng

(+63) 945-477-6471 | atcheng2@uw.edu | linkedin.com/in/andrew--cheng/ | andrewcheng.dev

Summary of Qualifications

- Strong interest in embedded systems, computer architecture and signal processing
- Excellent **communication**, **organisation**, and **time-management** skills as demonstrated through leadership roles, involvement in Engineers without Borders, and other community-service projects
- **Skills:** Java, C/C++ (beginner), Through-hole soldering

Education

University of Washington | Seattle WA

Expected Graduation: June 2024

- B.S. in Electrical and Computer Engineering (Intended)
- GPA: 3.91

Experience

CSE 143 Teaching Assistant | University of Washington

March 2021 - Present

University of Washington, Seattle WA

- Lead a section (~20 students) of Computer Programming II at the University of Washington, teaching programming fundamentals such as data abstraction, basic data structures, and recursion in java
- Hold office hours to provide one-on-one support for students with lecture concepts and homework
- Grade exams and weekly homework

Sol Station Electrical Team | Engineers Without Borders

September 2020 - Present

University of Washington, Seattle WA

- Updated the solar panel of the solar station to meet the requirements for a community in Ghana
- Calculated the optimum solar panel angle for each season using Ghana's geographical location
- Revised the electrical system's bill of materials by arranging meetings with the former electrical team

General Engineering Intern | Arcadis Philippines

July 2019

Circuit Corporate Center 1, Philippines

- Constructed floor plans using AutoCAD and ensured they met LEED standards
- Inputted building cost plans using Excel and updated their supplier quotations database

Leadership and Extracurriculars

Head of House | Student Government

December 2018 - December 2019

The British School Manila, Philippines

- Planned and coordinated P.E. lessons for 62 grade 11 students while P.E. teachers were away on sporting events
- Supported the well-being of IB students by organizing recreational de-stress activities
- Organized inter-house competitions for grades 10-12 that bolstered house spirit, promoted connectivity, and developed inter-year relations among students
- Led 12 Sports Representatives in Grades 7-10 to help coordinate the Sports Celebration Evening
- Met with architectural advisors to help plan the construction of the Creative Arts Centre and improve ease of travel around my highschool

Head of Communications and Logistics | The Bayanihan Project

August 2018 - May 2019

The British School Manila, Philippines

- Raised over 70,000 pesos to donate school supplies, concrete flooring, paint classrooms, and install new sinks for a local public school
- Led several fundraisers, communicated with suppliers and teaching staff from the public school, and arranged the transportation of materials from different suppliers to the public school