Christopher Yung

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1549 35th Avenue, San Francisco, CA 94122

EDUCATION

Purdue University, West Lafayette, Indiana   MAY 2023
- Bachelor of Science in Computer Science
- Concentration in Software Engineering
- Relevant coursework: Object-Oriented Programming (Java), Programming in C, Discrete Mathematics, Data Structures and Algorithms, Systems Programming

WORK EXPERIENCE

FORCES, West Lafayette, Indiana
Junior Fellow | MAY 2021 - AUGUST 2021
- Built a React web application to provide visual aid on the analysis of the Battle of 73 Easting, a key battle in the Gulf War
- Parsed data aggregated from dozens of military and historical sources using the SheetJS library
- Constructed a visualization of war movements using the leaflet library
- Developed a series of wireframes to produce the most effective layout for displaying relevant information

Berkeley Engineering and Research Inc., California
Summer Intern | MAY 2017 - JULY 2017
- Measured gas levels in gasoline canisters for a case involving exploding gas cans
- Created enlarged 3-D models with precision tolerance moving pieces for a case involving a malfunctioning ignition mechanism
- Tested stress tolerances of blenders to the point of explosive failure for a case involving home blenders

Hanson Robotics, Hong Kong
Robotics Intern | JUNE 2015
- Constructed a prototype robot designed to deal cards at a casino by fitting key components into hard to reach places on the robot such as motors into the head for facial expressions
- Assisted in the development of integrated suction motors in the robots hands that allowed it to shuffle and spin cards while dealing or moving cards

SKILLS

- **Computer Programming**: C, C++, Java, JavaScript, HTML, CSS, Python, NodeJS, ReactJS, Bootstrap, MongoDB
- **Graphic Design**: Illustrator, GIMP, Procreate

PROJECTS

Spotistics   JULY 2020
- Built a React web application that queries the Spotify API to aggregate a user's data for analysis from parsed JSON
- Utilized the ChartJS library to animate graphs to display parsed data about each user's playlists
- https://yung4.github.io/spotistics/

Personal Website   2017 - PRESENT
- Challenged myself to program a personal website using only HTML and CSS
- https://chrisyung.github.io

Void Therapy, Hello World   SEPTEMBER 2019
- Developed an Android and iOS application using Dart and Flutter
- Designed and animated sprites, implemented the main page, sidebar, and general layout
- https://github.com/yung4/HelloWorld-2-the-squeakquel

Sustainably Dressed, Boilermake VII   JANUARY 2020
- Scraped websites for listings for second hand clothing using Python's Beautiful Soup library
- Wrote a script that aggregated all the scraped data onto a single webpage
- https://github.com/Dan-Yell-Nuwin/ShirtsForLess

ACTIVITIES

Purdue Filipino Association   AUGUST 2019 - PRESENT
- **Philippine Culture Night**: On design and media committees, designed the main logo, tickets, and posters for the event using Illustrator and Procreate through a SCRUM framework
- **Script Scrap**: Family head of one of PFA's subgroups, in charge of organizing events and hangouts for the Script Scrap Family