GIDEON TAN

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EDUCATION

University of Minnesota, Twin Cities   **Minneapolis, MN**
College of Science and Engineering   *September 2020 - December 2023*
Bachelor in Computer Science   *GPA: 3.76*

EXPERIENCE

Software Engineering Intern   **Eden Prairie, MN**
Optum, Inc.   *June 2022 - August 2022*
- Incoming intern- working on a team for front-end software development

Teaching Assistant   **Minneapolis, MN**
University of Minnesota - Twin Cities   *January 2022 - Present*
- Leading labs and holding weekly office hours for CSCI 1113: Intro to C++
- Assisting students with homework, projects, and understanding of C++ based course material
- Grading labs, classwork, and projects, as well as giving feedback on how to improve

> **Languages:** Python, Java, Javascript, HTML, CSS, C++
> **Tools/Frameworks**: Flutter, React, Git/GitHub
> **Coursework**: Algorithms & Data Structures, Machine Architecture, Discrete Structures

PROJECTS

Dory Defense (Devpost) - 1st Place   **Minneapolis, MN**
Minnehack 2022   *January 2022*
- Collaborated with a team of four to build a Google Chrome extension that aims to protect the elderly from cybersecurity attacks and aids in digital privacy education
- Designed UI and options page, utilizing JavaScript, HTML, and CSS
- Utilized Bootstrap and the Izitoast library to send an alert after detecting malicious websites

Back to Hue (Github**)**   **Minneapolis, MN**
App Developer Club   *December 2021 - Present*
- Worked on a team of three to create a cross-platform social application to keep individuals connected through a map-based UI
- Developing capabilities to add and store locations for contacts on a map
- Designing frontend with Flutter and the Google Maps API, backend with Firebase

Gopher Bin (Github**)**   **Minneapolis, MN**
SASE Labs 2022   *December 2021 - May 2022*
- Worked with the club to develop a self-sorting recycling bin that uses machine learning to determine whether or not a material is compostable
- Led the Motor subteam to configure wiring and write code to run stepper motors using a Raspberry Pi

LEADERSHIP & OUTREACH

Director of Marketing   **Minneapolis, MN**
App Developer Club   *October 2021 - Present*
- Managing all club marketing operations, including campus outreach and social media presence
- Overseeing general club operations and organizing events with other board members
- Attending weekly programming workshops to develop skills in app development technologies such as React Native, Flutter, Flask, etc.

English Teacher   **Luye, Taiwan**
PVCCC Mission Trip   *July 2017 - 2018*
- Taught English and American culture to underprivileged Taiwanese students
- Created and implemented lesson plans, games, and activities for both younger and older students

Python Instructor   **Minneapolis, MN**
Code the Gap   *September 2022 - Present*
- Incoming Volunteer Fall 2022: Teaching Python to K-12 students in historically underrepresented groups in STEM
- Presenting material and assisting students students with labs