

Tae Young (Daniel) Lim

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Education

University of Houston

Houston, TX

B.S. COMPUTER SCIENCE AND BIOCHEMISTRY || MINOR: MATHEMATICS

CUMULATIVE GPA: 3.90/4.00

May 2023

- **Coursework:** Discrete Mathematics, Data Structures & Algorithms, Software Design, Data Science, AI/ML

Relevant Experience

Charles Schwab

Westlake, TX

INCOMING SOFTWARE ENGINEER INTERN

Jun. 2022 – Aug. 2022

Baker Hughes - GE Company

Austin, TX (Remote)

SOFTWARE ENGINEER INTERN

Jan. 2022 – Jun. 2022

University of Houston Department of Computer Science

Houston, TX

PEER MENTOR: COSC 1306 (INTRODUCTION TO PROGRAMMING)

Jan. 2021 – May 2021

- Coordinated 3 weekly lab sessions, 1 hour per session, and created simple python quiz questions for students
- Mentored 10+ students individually and in group settings, increasing students' exam averages by at least ~10%
- Clarified optimal quiz solutions by highlighting preferred data structures and time/space complexities

Şen Lab at The University of Houston

Houston, TX

COMPUTATIONAL BIOLOGY INTERN

May 2020 – Aug. 2020

- Publication under review by *Cell Reports* - <http://dx.doi.org/10.2139/ssrn.3892450>
- Determined an unknown protein structure from an X-ray Crystallography electron density map
- Planned weekly lectures to 3 PhD students on utilizing the terminal and producing job scripts

Technical Projects

CougaReviews!

MERN

FULL STACK WEB APPLICATION

Present

- Designed a clear React.js front-end for clients to create profiles, read and submit reviews of UH courses
- Integrated a Node.js back-end system to send HTTP methods from the front-end to database and vice versa

Church COVID-19 Sign-Up Bot

Python

WEB SCRAPING & AUTOMATION BOT

Dec. 2021

- Applied the selenium package to automate sign-up for Sunday service during the COVID-19 pandemic
- Simplified 90% of the sign-up process, automating clicking/typing, and guaranteed a spot out of 150

Leadership Experience and Organizations

Cougar Computer Science Club

Houston, TX

GRADE REPRESENTATIVE

Aug. 2019 - Present

- Promoted club's website and fund-raised to provide for future hackathons and social events
- Publicized the "CodeRED" Hackathon and contributed to increasing ~15% club registrants
- Engaged inexperienced club members in programming by exposing them to tutoring events

Camp Barnabas

Purdy, MO

CAMP COUNSELOR LEAD

Jun. 2019 - Aug. 2019

- Aided to campers' medical and hygienic needs such as taking daily medicine and bathing
- Directed a group of 3 counselors to promote positive and encouraging attitude towards campers
- Hosted special events such as themed parties and team games to improve campers' social interactions

Skills and Additional Information

- **Proficient in:** Python, HTML/CSS, Git, Linux/Ubuntu
- **Experience with:** C++, R, JavaScript, TypeScript, Java, Swift, PHP, Docker
- **Familiar Technologies/DBs:** Node.js, React.js, Express.js, MongoDB, Couchbase, SQL
- **Foreign Languages:** Korean (fluent), French, Spanish, and Chinese (beginner)
- **Interests:** Investing, Trading, Game Theory, Reading, Teaching, Music, Sports, Cooking
- **Work Eligibility:** Eligible to work in the U.S. with no restrictions