Samuel Liu

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EDUCATION

UC San Diego, La Jolla — *Cognitive Science: Design and Interaction*
Computer Science Minor
September 2019 - June 2023

EXPERIENCE

Advantech Government Services, La Jolla — *Software Engineer*
October 2022 - PRESENT

- Developed 3 automated data scrapers for government and social networking databases using Python
- Used Pandas to clean and pipe 150,000+ entries of raw data into organized and accessible excel/CSV file format for analytics
- Wrote testing frameworks to streamline software development

HS Biopharmaceuticals, Carlsbad — *IT Administrator*
January 2019 - October 2022

- Designed office building workspace and wireless functionality for 4 workstations
- Drafted 4 different mockups and identified the best fit for client's goals

HelloTech, Los Angeles — *General Technician*
June 2018 - September 2022

- Identified and troubleshooted user-to-product issues
- Developed 100+ understandable solutions to clients

Viasat, Carlsbad — *Software Developer Intern*
June 2018 - September 2018

- Cooperated with senior engineers to develop flight network organization center UI managing 200+ in-bound flights

PROJECTS

Natural Grip Remote — *Patented Work: https://rb.gy/lu3gej*

- Designed keyboard for optimizing biomechanical mobility and health
- Modeled 40 variations of base mesh with Fusion360
- Implemented wireless modules and keymap with Python and C

Constellate — *Organizational Web App*

Developed a web-app displaying tasks and schedules in visual shape diagrams

- Sketched out wireframes for website front-end using Figma
- Operated Amazon Web Services for website database using SQL

SKILLS

CAD: Fusion 360

Software Languages:

Python, C/C++, HTML, CSS, Java

Prototyping Design Process

Figma

Secondary User Research

Video Editing

Organized/Time management

Self-Motivated Work Ethic

Data Science

LANGUAGES

Mandarin Chinese *fluent*

Spanish *working knowledge*

COMMISSIONS

TheZMedia:
Reference– Lily Zhou
https://meena866.wixsite.com/mysite-1

CLASSES

CSE100:
Advanced Data Structures
OOP in C++

CSE15L:
Software Techniques and Tools
Version Control
Collaborative Programming

DSGN100:
Prototyping
Iterative designing in Figma
Conducting User Research