Nathan **Sit**

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Education

University of California San Diego *La Jolla, CA*
B.S. IN COMPUTER ENGINEERING, 3.2 MAJOR GPA *Anticipated June 2022*
- Classes: Data Structures & Algorithms, Software Engineering, Object Oriented Programming, Systems Programming
- Activities: Web Analyst for Acts2Fellowship, former Department Chair of the Nano Engineering and Technology Society
- Achievements: National Merit Scholar, above average score in the Putnam Exam: the premier US undergraduate math competition

Experience

UCSD CSE Department *San Diego, CA*
UNDERGRADUATE TUTOR *January 2021 - present*
- Held open lab hours to assist students with completing programming assignments in Data Structures & Object-Oriented Design and Software Tool and Techniques (CSE 12 & CSE 15L) with Instructor Gary Gillespie
- Monitored Zoom lectures and discussions to answer students' questions in chat

Gracepoint Los Angeles *Los Angeles, CA*
JUNIOR WEB DEVELOPMENT INTERN *July 2020 - September 2020*
- Using React, reformatted and styled website's countdown component
- Produced wireframe and basic layout of Squarespace website which received 1200 visits
- Used Git, Notion, Slack to manage workflow as part of an Agile team

Neural Interaction Lab *San Diego, CA*
UNDERGRADUATE RESEARCH ASSISTANT *April 2019 - present*
- Managed and trained other lab members in microfabrication processes to complete projects on time
- Fabricated stretchable electronics delivered to various collaborators, including GoogleX

Projects

employee-portal *San Diego, CA*
ROYAL EMERALD PHARMACEUTICALS *September 2020 - December 2020*
- Collaborated with 10 other developers to create payroll system for a pharmaceutical startup
- Implemented full-stack web app using Vue (frontend), MySQL (database), Node and Express (backend)
- Helped to produce artifacts such as Design Use Cases and Screen Sequences to facilitate development
- Organized UI screens designed in Figma and assisted teammates with Git to streamline collaboration

tempDataDump *Santa Ana, CA*
INDEPENDENT PROJECT WWW.BIT.LY/TEMPDATADUMP *June 2020*
- Developed a webpage that serves as a scratch pad for ideas that come to mind
- Implemented in HTML, CSS, and JavaScript on Codepen

6 Degrees of Kevin Bacon *Santa Ana, CA*
PAIR PROGRAMMING PROJECT *May 2020*
- Written in C++, using the GoogleTest Framework, implemented a breadth first search algorithm using two hashmaps to find the shortest path between any two actors

basic-timer *San Diego, CA*
INDEPENDENT PROJECT WWW.GITHUB.COM/NATHANSIT/BASIC-TIMER *April 2020*
- Designed a minimalistic Unix command line timer with notifications
- Created Bash script to automate installation process

Skills

Languages	C, C++, Java, Python, CSS, JavaScript, ReactJS, Bash, ARM Assembly
Tools/Tech	Unix, Vim, Git, Figma, GDB, JDB
Markup	HTML, XML, Markdown, LaTeX
Other	English, Mandarin (conversational), Spanish (limited)