

BRIAN MAK

brian@bmak.xyz · (925) 900-8595

<https://bmak.xyz/> · <https://linkedin.com/in/brian-mak> · <https://github.com/eggroll-bot>

OBJECTIVE

Quick learning, team-player, organized, and driven computer science major at UC Santa Cruz seeking a software engineering internship position.

EDUCATION

COMPUTER SCIENCE, B.S., TECHNOLOGY AND INFORMATION MANAGEMENT MINOR

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

- GPA: 4.0, Junior Standing
- Relevant Courses: Computer Systems and C Programming, Computer Systems and Assembly Language, Computer Architecture, Programming Abstractions: Python, Applied Discrete Mathematics
- Dean's Honors List – Fall 2020, Winter 2021, Spring 2021, Fall 2021

PROGRAMMING LANGUAGES AND SKILLS

- C# - Proficient
- Lua - Proficient
- C/C++ - Familiar
- Java - Familiar
- JavaScript/React - Familiar
- Application Development
- Problem Solving
- Communication

WORK EXPERIENCE, PROJECTS, AND AWARDS

NSA CODEBREAKER CHALLENGE 2021 - HIGH PERFORMER

JAN 2022

- Completed seven tasks in under two days covering network forensics, log analysis, email analysis, PowerShell, registry analysis, Docker analysis, reverse engineering, and protocol analysis.

GROUP TUTOR – COMPUTER SYSTEMS AND C PROGRAMMING

UNIVERSITY OF CALIFORNIA, SANTA CRUZ, SEP 2021 – PRESENT

- Tutored over 150 students on programming assignments covering C programming with data structures, sorting algorithms, Huffman coding, and RSA key generation, encryption, and decryption.

GROUP TUTOR – COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE

UNIVERSITY OF CALIFORNIA, SANTA CRUZ, MAR 2021 – DEC 2021

- Tutored over 150 students on assignments covering Git, logic circuits, and MIPS assembly.
- Helped over 60 students study and prepare for quizzes and exams.

PROGRAMMER'S CALCULATOR

JUN 2021 – JUL 2021

- A programmer's calculator created using React.js, and the software framework, Electron.
- Contains the ability to perform bitwise operations and convert decimal to other bases.
- Uses the shunting-yard algorithm to perform calculations.

EASY DENTAL VIXWIN BRIDGE

DEC 2020 – JAN 2021

- A C# .NET program that bridges the Easy Dental (a dental practice management program) database with the VixWin (a dental imaging program) database.
- Replaces the bridge program included with VixWin, which is prone to crashing.