

# MATTHEW MOJICA

matthew.mojica02@berkeley.edu • (209) 762-0558 • <https://www.linkedin.com/in/matthewmojica/>

## OBJECTIVE

Self-directed student seeking the position of software engineer intern during Summer 2023 to leverage design and programming skills to create meaningful impact.

## EDUCATION

**University of California, Berkeley**.....Class of 2024

- Bachelor of Arts in Computer Science GPA: 3.5
- Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures, Designing Information Devices and Systems I and II, Discrete Mathematics and Probability, Foundations of Data Science, Machine Structures, Efficient Algorithms and Intractable Problems, Principles and Techniques of Data Science, Introduction to Computational Biology

## WORK EXPERIENCE

**Waqas Khalid, Ph. D\* Research Assistant \*** Berkeley, CA.....Sep 2020-May 2022

- Developed back-end software in Java as member of full stack software team for experimental portable COVID biosensor utilizing nanotechnology
- Extensively documented code parameters to streamline further work on research project
- Utilized Java and Spring Boot's WebSocket to establish back-end to front-end communication

**Tibon's Goju Ryu Fighting Arts\* Instructor\*** Stockton, CA.....Jun 2019 – Aug 2020

- Led classes of 20+ students in all age ranges by tailoring curriculum to various needs
- Resolved client concerns pertaining to instruction or logistics through effective communication
- Managed building opening and closing procedures and maintained facilities after use

## EXTRACURRICULAR ACTIVITIES

### Sproul.Club - Backend Engineer

- Added student profile API features using Python and stored data in MongoDB database
- Developed club recommendation feature with Python and Pandas for 10,400+ unique users of the website

### Stockton Scholars- College Ambassador

- Served as liaison between 400+ Stockton high school students and Stockton Scholars education initiative by connecting students with appropriate educational support programs
- Aided high school students with workshops to complete FAFSA, complete college applications and access scholarships through the Stockton Scholars non-profit organization

## ADDITIONAL INFORMATION

**Skills:** Python, Java, Spring Boot, JavaScript, SQL, Git, Flask, MongoDB, React, Node.js, C, RISC-V

**Honors:** Cal Alumni Association Leadership Award, Dado Banatao Scholar, National Merit Scholar

**Hobbies:** Cal Boxing team athlete, International karate competitor, Longboarding, Running, Reading science-fiction novels