

JULIAN MEYN

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EDUCATION

University of California – Berkeley

May 2023

Bachelor of Arts in Computer Science

GPA: 4.00

Relevant Coursework: Data Structures, Efficient Algorithms, Machine Structures, Intro to Data Science, Intro to Artificial Intelligence, Discrete Mathematics and Probability Theory, Linear Algebra

SKILLS & TOOLS

Skilled in: Python, Java, C, C#

Proficient in: JavaScript, C++, Golang, HTML/CSS, MySQL, Dart, Bash, RISC-V

Tools & Frameworks: Git, .NET 5, Google Cloud, Linux, Spark, Docker, RegEx

EXPERIENCE

Twitter

San Francisco, CA

Upcoming Software Engineer Intern

June 2021 – August 2021

Teradyne Inc.

North Reading, MA

Software Engineer Intern

January 2021 – April 2021

- Currently refactoring old VB app to C# to meet new .NET 5 standards and product requirements
- Created a conversion tool to deserialize over 800 XML files to fit the new program using C#/.NET
- Facilitated in documentation, sprint planning, design, programming, and testing of new application

Teaching Assistant – Introduction to Algorithmic Thinking

January – May 2021

- TA for a student-run course (130+ students) that teaches skills for coding interviews and recruiting
- Member of the web-design subcommittee, launched and maintained the [course website](#)

Teaching Assistant – IEEE Micromouse

January – December 2020

- Led weekly labs to teach students how to design and program an Arduino robot
- Designed the [course website](#) and converted in-person labs into fully online instruction

PROJECTS

Numc – An Optimized Matrix Python Library

- Worked with a partner to recreate major NumPy operations from scratch in C/CPython
- Used OpenMP and Intel x86 Intrinsic to multithread and speed up performance 106 times

Optimal Social Grouping Project

- Leader of group class project to find approximate solution to an intractable problem on large inputs
- Programmed in Python and computed on Google Cloud VMs, outperforming 90% of other teams

PhotoText – An Unusual Photo Filter App

- Developed a Flutter App (Dart) that converts images into ASCII text or emoji art
- Utilizes the Google Photos Library API and uses a small JSON database to fetch/store pictures

Gitlet – A Miniature Version Control System

- Programmed a standalone implementation of Git entirely from scratch in Java
- Includes core Git functions such as add, rm, branch, merge, pull, push, log, and checkout

CLUBS & ACTIVITIES

UPE Honor Society Member, Upsilon Pi Epsilon, UC Berkeley

Jan. 2021 – Present

IEEE Student Officer, IEEE Student Branch, UC Berkeley

Jan. 2020 – Present

Electrical Engineering Team, Cal Solar, UC Berkeley

Sep. 2019 – Feb. 2020