

Brian Lin

4348 Central Parkway, Dublin, CA 94568 | brian.n.lin@gmail.com | 925-587-3554
<https://www.linkedin.com/in/briannlin/> | <https://briannlin.github.io/> | <https://github.com/briannlin>

EDUCATION

University of California, Irvine
B.S. Computer Science - GPA: 4.0

Irvine, CA
Sep 2020 - Present

Dublin High School
High school diploma - GPA: 4.34

Dublin, CA
Aug 2016 - May 2020

RELEVANT COURSEWORK

Coursework Completed:

Programming with Software Libraries, Intermediate Programming, Discrete Math, Programming in C/C++, Introductory Computer Organization, Data Structure Implementation and Analysis, Machine Learning and Data Mining, Information Retrieval

Coursework In Progress:

Introduction to Artificial Intelligence, Introduction to Data Management, Principles in System Design

PROJECTS

Projects (written in Python 3.9.1):

UCI Dining Hall Web Scraper

- Developed a Selenium web scraper that retrieves UCI's dining hall's menu for the day along with each item's nutritional information
- Deployed an HTTP API with query parameters delivering nutritional information for meals which integrates with AWS Lambda and Google Firebase

UCI Course Auto-Enroller

- Developed a Selenium web scraper that periodically checks UCI's schedule of classes for class openings
- Developed an automated Selenium browser and web scraper that integrates with the course planner website AntAlmanac to enroll students in their scheduled classes if there are openings

ICS Search Engine

- Coded a GUI-based search engine for the UCI ICS domain using tf-idf scoring, bi-gram analysis, and metadata analysis to perform ranked retrieval on over 37,000 documents

Columns Clone

- Coded a clone of the popular 1990 Atari game Columns using PyGame

AWARDS

Regents' Scholarship

UCI - Mar 2020

Deans' Scholarship

UCI - Mar 2020

VOLUNTEER EXPERIENCE

University of California, Irvine
ICS-31 Peer Tutor

Irvine, CA
Sep 2021 - Dec 2021

- Simplified, explained, visually demonstrated, and answered questions about Python fundamentals during in-person lab sections of 30 college students in an introductory Python programming course
- Assisted students in debugging their code and taught students effective debugging practices

Dublin High School
Geometry Peer Tutor

Dublin, CA
Jan 2019 - May 2019

- Simplified, explained, and visually demonstrated geometric concepts to a class of 30 special education students in Informal Geometry

SKILLS

- Python, C++, MIPS Assembly, Selenium, AWS Lambda, AWS API Gateway, Firebase