

# Mihir Srivastava

U.S. Citizen | 650-954-0202 | mihirsrivastava@ucla.edu | [mihirsrivastava.com](http://mihirsrivastava.com) | Top Secret Clearance

## EDUCATION

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**University of California, Los Angeles (UCLA)**, Los Angeles, CA

*Expected June 2024*

*B.A. Computer Science and Linguistics*

**Las Positas College**, Livermore, CA

*May 2022*

GPA 3.89 Deans List

Relevant Coursework: Algorithms and Data Structures, C++ III, Java, Python, Assembly Language, Discrete Math,

Differential Equations, Circuit Analysis, Calculus III, Physics III, Linear Algebra

## EXPERIENCE

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**Sandia National Laboratories**, Albuquerque, NM

*June 2023 – Present*

*Cybersecurity R&D Intern*

- Automated data collection from oscilloscopes/SDR and implemented various classifiers to conduct data analysis.
- Improved file scanner utilizing YARA rules, simplifying the retraining process, and applying encoding protocols.

**Grotabyte**, Dallas, TX

*April 2021 – August 2021*

*Software Engineering Intern*

- Worked with APIs to build data pipelines in Python producing connections to over 10 services including Zoom, Notion, and Slack.
- Coordinated with an international team of 12 responsively updating features to deliver customer satisfaction.

**Briia.io**, Dublin, CA

*August 2020 – April 2021*

*Full Stack Developer Intern*

- Utilized a tech stack including JavaScript, CSS, HTML, PHP, MySQL, and various plugin technologies including jQuery, bootstrap, and Stripe to develop different elements of the company website.

**Youth Coding Workshops**, Dublin, CA

*November 2020 – August 2022*

*Tutor*

- Helped design a program to teach 38 middle schoolers computer science fundamentals and granted exposure.
- Managed agendas, built lesson plans, taught, and communicated with students, parents, and other tutors.

## PROJECTS

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- **BruinSwipes** – Collaborated with a team of 5 to create a full stack marketplace for students to buy and sell meal swipes. Individually created a real time messaging application using MongoDB, Express, React, and Node JS. Designed database schemas, debugged code, and contributed to project planning and management.
- **BruinWait** – Worked with a team to design and compile a Recurrent Neural Network application in Python with TensorFlow which helps students see predicted wait times for UCLA dining halls. Using Long Short-Term Memory and Gated Recurrent Unit models. Designing a front-end using Typescript and scraping data using Python.
- **Typing Speed Test** – Used React, JavaScript and Python to devise a typing speed test with various modes and features. Compiled a playable game that tracks different metrics and generates sentences using API calls.
- **Unique Sheet Music Generator** - Deployed data structures in C++ to make a program which will generate music based on user input. Inputs taken include instrument, difficulty, and length of piece.

## ACTIVITIES & LEADERSHIP

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**Computer Science Club**, Livermore, CA

*September 2020 – June 2022*

*Vice President*

- Hosted over 6 unique opportunities for club members to network with real-world employees and led projects.

**Phi Beta Lambda Business Club**, Livermore, CA

*September 2020 – June 2022*

*Director of Events*

- Managed weekly meetings, planned content, and hosted a competition with over 100 nationwide competitors.

## SKILLS

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**Advanced:** C++, Python, JavaScript **Proficient:** Java, SQL, Git **General:** Growth Oriented, Leadership, English, Hindi