

ALLEN S. MAO

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OBJECTIVE

Undergraduate Computer Science student at UC Berkeley with machine learning research background and software experience looking for data science or software engineering internship for Summer 2021.

EDUCATION

University of California, Berkeley *August 2019 - May 2022 (expected)*
BA—Computer Science, (Linguistics Minor), GPA: 3.57/4.0 *Berkeley, California*

- '19-20: Creator of viewSESAME, a framework that makes a human-readable version of CoNLL outputs as part of automatic semantic role labeling research at the International Computer Science Institute.

Ohlone College *August 2018 - May 2019*
Math and Computer Science for Transfer, GPA: 4.0/4.0 *Fremont, California*

- Josephine Butala Mathematics Scholarship; Douglas Gallacher, M.D. Memorial Scholarship
- Object-Oriented Programming in C++, Data Structures in C++, x86_64 Assembly, Java Programming

WORK EXPERIENCE

NASA John F. Kennedy Space Center *August-December 2020 (upcoming)*
Software Engineering Intern *Merritt Island, Florida (virtual)*

- Command and control software development for launch control system of the Artemis I and II missions.

US Air Force 80th Flying Training Wing *June-August 2020 (current)*
NSIN (National Security Innovation Network) X-Force Fellow *Sheppard Air Force Base, Texas*

- Consultant data analyst for the Euro-NATO Joint Jet Pilot Training Program to optimize pilot training.
- Analysis and visualization of decades of student pilot grades with **Pandas** to identify significant trends.

University of Southern California, Information Sciences Institute *June-August 2019*
National Science Foundation-Funded Research Intern (REU) *Marina del Rey, California*

- Lead researcher on automatic software metadata extraction with Natural Language Processing and REST APIs for the **Software Metadata Extraction Framework** and **Model INTegration** projects.
- Trained **sklearn** classifiers to extract software metadata from unstructured text documentation

Berkeley Engineering and Research, Inc. *June-August 2018*
Engineering Intern *Berkeley, California*

- Built and programmed Arduino (C)–Android (Java) wireless setup to replace NI DAQ machines.
- Scanned, edited, and printed 3D scans of human faces with Microsoft 3D Builder for face reconstruction.

ADDITIONAL ACTIVITIES AND MISCELLANEOUS SKILLS

- **Publication:** “Software Metadata **E**xtraction **F**ramework”: 10.1109/BigData47090.2019.9006447
- **Misc. Projects:** *Maskit*: a robot Raspberry Pi that uses Computer Vision to regulate customer entry; *CovidAccountable*: Chrome extension that identifies recipients of 2020 Payment Protection Program funds (**Global Hacks Overall Best Prize**); X’ Analysis of Lezgian Grammar
- **Languages:** Assembly, C/C++, HTML/CSS, Java (Android), JavaScript, Python, Perl, R, SQL; English (native), French (national medalist), Mandarin (heritage), Russian (beginner)