

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 Fall 2020.

EDUCATION

University of California, Berkeley *August 2019 - May 2021 (expected)*
BA—Computer Science, (Linguistics Minor), GPA: 3.57/4.0 *Berkeley, California*

- '20-21: Incoming Data Analyst Intern at the AMENA Center for Entrepreneurship and Development
- '19-20: Creator of **viewSESAME**, a noscript framework that produces a human-readable version of CoNLL outputs as part of automatic semantic role labeling research at 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

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

- Data analyst consultant for the Euro-NATO Joint Jet Pilot Training (ENJJPT) Program to identify efficiencies pilot training based on a decade of training grades.
- Within first three weeks, identified threefold better performance among student pilots who received early virtual reality training.

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

- Lead researcher on the SoMEF (Software Metadata Extraction Framework) project to develop automatic software metadata extraction techniques for MINT (Model INTeграtion) project.
- Trained **sklearn** machine learning classifiers to extract software metadata from text documentation

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

- Programmed Arduino (C) and Android (Java) setup (with HC-05 module) to communicate data measurements via Bluetooth to slash costs and improve portability over wired, proprietary NI DAQ setup.
- Edited 3D scans of human faces with Microsoft 3D Builder and Dassault Solidworks for 3D printing.

ADDITIONAL ACTIVITIES AND MISCELLANEOUS SKILLS

- **Publication:** “SoMEF: A Framework for Capturing Scientific Software Metadata from its Documentation.” 10.1109/BigData47090.2019.9006447
- **Misc. Projects:** *Maskit*: a robot Raspberry Pi that uses Computer Vision to regulate customer entry; peer-to-peer webconferencing with WebRTC; *See more at GitHub*: citronella3alain
- **Languages:** Assembly, C/C++, HTML/CSS, Java (Android), JS, Python, Perl, R, SQL, *NIX; English (native), French (National French Contest Medalist), Mandarin (heritage), Russian (beginner)