Ava Wu

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EDUCATION

University of California, Berkeley   *Berkeley, CA*
B.A. in French and Molecular & Cell Biology (Genetics, Genomics, and Development)   *May 2020*

SKILLS

Laboratory: DNA Extraction, QIAcube, PCR, Gel Electrophoresis, Yeast Transformation, Technical Writing

World Languages: French (fluent), Modern Greek (elementary)

Programming Languages: Python, R

Computer: Google Suite, Microsoft Office Suite, Wikipedia editing, Canva, Premiere Pro, Resolve

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SELECTED EXPERIENCE

Interdisciplinary Research Group on Privacy, UC Berkeley   *Remote*
Coordinator, International Privacy Literacy Project   *Sep 2020 – present*
- Innovate new avenues for the project's evolution to enhance cultural literacy and develop corresponding materials
- Oversee a 7-person project team, tracking their work and holding office hours
- Review literature on privacy research to improve articles in French, English, and Greek Wikipedia with 300+ total edits
- Work on a proposal for a Wikimedia Foundation grant

Research Affiliate, International Privacy Literacy Project   *Jun 2020 – Sep 2020*
- Developed a toolkit for creating and editing French Wikipedia articles, which also included solutions specific to French Wikipedia for resolving user account issues
- Underwent training in editing Wikipedia
- Translated and posted a privacy article from English to French

Student Learning Center, UC Berkeley   *Berkeley, CA*
Student Coordinator, Language Exchange Program   *Sep 2017 – Aug 2020*
- Spearheaded the innovation of resources for volunteers
- Collaborated to coordinate events that service language and cultural exchange
- Underwent training to develop pedagogical skills
- Communicated with participants, lead orientations, and addressed concerns
- Facilitated weekly groups in French and English for speakers at various levels of proficiency
- Assisted with upkeep of Python code central to the program's services
- Piloted the first summer Language Exchange Program in 2018 as the sole student coordinator

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Children's Hospital Oakland Research Institute   *Oakland, CA*

Research Intern, Calloway/Erlich Lab   *Feb 2019 – Feb 2020*

- Carried out hundreds of DNA sample extractions in assisting a UC Davis graduate student on a humanitarian project that aimed to reunite lost children and families in El Salvador
- Maintained an inventory of the Calloway Lab's biological samples in the PCR suite
- Underwent CITI training

Berkeley Law Human Rights Center   *Berkeley, CA*

Research Assistant   *Sep 2018 – Jan 2019*

- Researched the chemical evolution of next-generation DNA sequencing technologies, their applications to forensic science, and the legal and ethical implications of DNA use for the book Silent Witness (Oxford University Press, 2020)
- Provided edits and feedback on drafts of the DNA sequencing technology section

Brashares Group   *Berkeley, CA*

Research Assistant   *Feb 2017 – Dec 2017*

- Classified different species of African mammals from thousands of camera trap images
- Used R to assist a PhD candidate in examining the restoration effort in Gorongosa National Park

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PUBLICATION

- D. Chhetri, Y. Ma, D. San Gabriel, S. Sturla, A. Wu, D.E. Johnson (2021) Computational Association of Perfluorooctanoic Acid Exposure and Human Health Risks. *Toxicologist* 180(1) 200

ACTIVITIES

Science Olympiad   *Feb 2017 – present*

Event Supervisor (Anatomy & Physiology, Crime Busters, Designer Genes, Heredity, Mousetrap Vehicle)

- Manage up to 96 teams at events
- Ensure the timely and fair execution of events, in accordance with the event rules
- Develop and instruct on a workflow to grade exams, delegating tasks as needed
- Certify event scores
- Respond to questions from participants and coaches

Test Writer (Crime Busters, Heredity)

- Construct questions according to identified learning objectives, drawing on experience and knowledge of genetics and chemistry
- Write instructions and questions in clear and simple language
- Develop an original story to act as a fun backdrop for participants