

BENJAMIN WESCHLER

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EDUCATION

University of California, Los Angeles

June 2024

Bachelor of Sciences — Aerospace Engineering, Astronautic Track: 3.5 GPA

ENGINEERING EXPERIENCE

SportVue LLC, Berkeley, CA

Sep. 2021 – March 2023

Founding Engineer (Full-Stack) and Software Lead

- Project manager of the SportVue cross-platform mobile application, which integrates with custom wearable hardware to track athlete data as a concussion prevention and training aid
- Lead the full-stack design & development of the SportVue mobile application using Flutter and Firebase
- Hired, trained, and managed a team of 3 front-end engineering interns
- Designed the user interface, including graphical design, typography, and user flow
- Validated efficacy of features and user interface through extensive user beta testing and customer interviews, rapidly iterating with a focus on improving ease-of-use and intuitiveness
- Collaborated with Google engineers to correct foundational performance issues in the Flutter rendering engine

Space Sciences Laboratory (SSL), UC Berkeley

June 2019 – Jan 2021

Research Intern

- Independently developed a deep neural network to identify intervals of magnetic reconnection, a space weather phenomenon that occurs in solar wind plasma, in data gathered by NASA satellites
- Automated the time-consuming, highly technical, and manual task of identifying relevant data, vastly increasing the rate at which research could take place
- Collaborated with 4 other SSL scientists to train and refine the neural network using
- Co-authored a research abstract accepted at the AGU Fall Meeting that was among the 25% of accepted abstracts granted a lecture presentation

LEADERSHIP EXPERIENCE

Camp Tawonga, Stanislaus National Forest

Summers of 2021, 2022, and 2023

Camp Counselor — 10 Weeks per Summer

- Cared for the safety and psychological well being of 4 cabins of 12 campers over the course of the summer with a co-counselor for 22 hours a day, designing and leading daily programming
- Created an emotionally safe space for each camper with the goal of building their personal identity and self-esteem through intimate community building and connection with nature
- Collaborated with staff specializing in working with youth with special needs to care for campers on the autism spectrum and who were struggling with anxiety, depression, and ideation of self-harm

SKILLS

PROGRAMMING LANGUAGES

Dart, Java, C++, Python, JavaScript, GLSL, MATLAB

OTHER TECHNOLOGIES

- | | | |
|------------------|--------------------|--------------|
| • Flutter | • ReactJS | • Fusion360 |
| • Firebase | • Linux/Unix | • SOLIDWORKS |
| • Git and Github | • TensorFlow/Keras | • Photoshop |