AXEL MALAHIEUDE

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EDUCATION

University of California, Los Angeles   **Expected June 2021**
B.S. Computer Science, major GPA 3.79, cumulative GPA 3.82
- *Involvements:* Unmanned Aerial Systems @ UCLA, Upsilon Pi Epsilon Honor Society
- *Relevant coursework:* Networks, Databases, Web Applications, Data Structures & Algorithms, Operating Systems, Programming Languages, Computer Graphics, Intro, Intermediate, & Advanced GIS

RELEVANT EXPERIENCE

Event Hub, Los Angeles, CA - Remote
Software Engineering Intern   **June 2020 – Present**
- Improved the user experience of Event Hub's event management platform with **JavaScript** and **Node.js**
- Designed and implemented features in **React** for the brand-new event live streaming platform
- Containerized our software environment with **Docker**, streamlining the development process

Moebius Solutions, Inc., San Diego, CA
Software Engineering Intern   **June 2019 – August 2019**
- Developed a vessel track simulator program in **Kotlin** used to test command and control software
- Collaborated in an **agile** team with **React** to optimize the vessel track visualization UI for ease of use
- Presented a tech talk for 20 engineering colleagues on migrating from **Maven** to **Gradle**

EXTRACURRICULARS

Unmanned Aerial Systems @ UCLA, *club organization*   **October 2019 – Present**
- Worked with a team on the **TypeScript** web application that monitors our competition drone
- Received a NASA USRC grant in July 2020 for our research proposal on autonomous drone swarms

Professional Development Workshop, *Viasat, Inc.*   **June 2020 – July 2020**
- Learned from experienced professionals about networking, engineering processes, and leadership

Ray Tracing in Kotlin, *personal project*   **March 2020 – May 2020**
- Renders images with ray tracing techniques learned in Computer Graphics at UCLA
- Explores the use of linear algebra to move shapes around a scene

Breathe and Relax, *Android application*   **August 2018 – September 2018**
- Users make customizable animations built in **Kotlin** and **Java** to help time their breathing and relax
- Currently has 500+ active users

OTHER EXPERIENCE

Associated Students UCLA Textbook Store, Los Angeles, CA
Lead Supervisor   **October 2017 – Present**
- Lead the rest of the staff and coordinate store policy by collaborating directly with managers
- Promoted to a leadership role with new responsibilities including managing staff and projects
- Customer Service Representative until September 2018, Supervisor until May 2019

SKILLS

Programming Proficiency: Java, C/C++, Kotlin, JavaScript, React, and SQL
Programming Experience: Python (scripting), TypeScript, HTML, and CSS
Software and Tools: Git, Linux, Docker, Android, Maven, and Gradle; ArcMap and QGIS
Language Skills: Fluent in French, English; intermediate in German