San Diego, CA
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Ollie Pai

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Education

Los Angeles, CA	**University of California, Los Angeles**	**Sep 2021	Present**

- BS in Computer Science. GPA: 3.6

San Diego, CA	**Francis Parker School**	**Sep 2017	Jun 2021**

- High School Diploma (Class of 2021 Valedictorian).

Experience

Frontend Team Member	**onTrack Dev Team**	**Sep 2021 – Mar 2022**

Los Angeles, CA
- Wrote custom React components and pages using Material UI library.
- Implemented designs initially mocked up in Figma.
- Managed state and requests to custom API using Redux and Thunk middleware.
- Practiced agile development by completing tasks during weekly sprints outlined in Jira.
- Worked in frontend team, communicating with design team, backend team, and project manager.

Data Journalism Team	**Bruin Sports Analytics**	**Sep 2021 – Dec 2021**

Los Angeles, CA
- Wrote article to identify and define the rise of neo-positions in the modern NBA using league statistics. (Article can be read here: https://www.bruinsportsanalytics.com/post/neo_positions)
- Scraped and parsed data from data set on Basketball Reference.
- Used Tableau software to plot scatter charts of data.
- Charted lines of best fit and analyzed data outliers to identify player strengths.

Wireless Research Intern	**Qualcomm**	**Nov 2020 – Feb 2021**

San Diego, CA
- Consulted VP of Engineering to simulate the Wireless Research Division's workflow.
- Collected data and modeled indoor heat map of WiFi speeds.

Software & Design Training Lead	**W.A.R. Lords Robotics Team**	**Sep 2017 – Jun 2020**

San Diego, CA
- Wrote control systems code using Java and calculus-based PID theory.
- Tuned vision tracking software for Limelight camera system.
- Designed & modeled a two-stage gearbox and intake mechanism.
- Trained new members Java and SOLIDWORKS CAD.

Curriculum Development Intern	**The LEAGUE of Amazing Programmers**	**Jun 2019 – Aug 2019**

San Diego, CA
- Developed materials for an FTC Robotics workshop.
- Migrated school's curriculum to an Open edX platform for increased accessibility by 800+ students.
- Consulted and reported findings to the lead teacher.

Skillset

- Languages: C/C++, JavaScript, HTML/CSS, Java
- Frameworks and Libraries: React, Redux, Node.js, Material UI, Electron
- Tools: CLI, Git, GitHub, Jira
- Other: Adobe CC (Premiere Pro, Lightroom), SOLIDWORKS CAD (Certified Associate, May 2021)

Projects

- **onTrack** (http://www.ontrackucla.com/) A course selection assistant for UCLA students. React, Redux, Node.js, Material UI, Figma, Jira
- **Prose** (https://github.com/olpai/prose) Natural language processing calculator app. (Under development.) React, Electron
- **Brawl** (https://github.com/olpai/brawl) Thrilling 2D fighting game for all to enjoy. HTML/CSS, JavaScript

Honors

- **Member** (California Scholarship Federation) Sep 2017–Jun 2021
- **Inductee** (Cum Laude Society) Jun 2020
- **National AP Scholar Award** (College Board) May 2020
- **Winner** (San Diego Regional Hack-Atari Hackathon) Dec 2017
- **Winner** (IEEE Sumobot Competition) Aug 2016