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# Geoffrey Xiang

Computer Science Freshman

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Intended computer science freshman at UC Berkeley with a passion for building assistive technology looking to explore full stack development. Coming with team communication skills, a willingness to quickly learn new technologies, and industry customer service experience.

## EXPERIENCE

### Industry - Restaurant Crew Member

*Pieology Pizzeria*

June 2021 — September 2021

*Dublin, California*

- Received in-person and online customer orders before crafting custom pizzas
- Gained effective communication skills to transfer customer requests to coworkers and track pizzas efficiently during busy or understaffed hours
- Learned customer service mindset while working in a detail-oriented yet fast-paced environment

### Research - Research Intern

*UC Santa Cruz Baskin School of Engineering*

June 2020 — May 2021

*Santa Cruz, California*

- Used XCode and Swift to program a cleft speech therapy mobile game - Spokelt (Site: spokeitthegame.com)
- Documented existing code within Spokelt to further patent process
- Analyzed stroke therapy sessions to improve development of a virtual stroke therapist
- Categorized hundreds of TikTok videos to invent disability empathy tools
- Used ideas collected and brainstormed to write research paper (research publication below)

### Volunteering - Teen Intern

*Lawrence Hall of Science*

June 2019 — May 2021

*Berkeley, California*

- Worked as a facilitator in the Ingenuity Lounge
- Built example models of the monthly challenge and guided young visitors through each activity
- Explained scientific concepts through interactive demonstrations and projects

### Sports - Premier/Academy Level Midfielder

*Ballistic United Soccer Club*

April 2012 — May 2021

*Pleasanton, California*

- Attended 4 training sessions per week and 2 games per weekend
- Competed at state and national level tournaments and showcases
- Studied film and held fitness sessions outside of training
- Coached young athletes with disabilities or from underprivileged backgrounds (TOPSoccer Program)

## EDUCATION

**Current Freshman**, *University of California, Berkeley*

August 2021 — Present

**High School Graduate**, *Foothill High School*

August 2017 — May 2021

Engineering Club (President)

- Used Autodesk Maya to 3D model spoon to help students with disabilities eat independently
- Built PVC pipe cannon for local Special Olympics javelin throw event

Graphic Design Club (Treasurer)

- Used Invision Studio to design webpages for CardsToHumanity, a website to share positive works of art during COVID-19

Foothill Varsity Soccer (3 Year Varsity, Senior Captain)

- NCS Scholar Athlete Award (2017-2020), NCS President's List Award (2019), EBAL Honorable Mention (2019)
- Voted team MVP (2020)

## RESEARCH PUBLICATIONS

### Journal Papers

Jared Duval, Ferran Altarriba Bertran, Siying Chen, Melissa Chu, Divya Subramonian, Austin Wang, **Geoffrey Xiang**, Sri Kurniawan, and Katherine Isbister. (2021) Chasing Play on TikTok from Populations with Disabilities to Inspire Playful and Inclusive Technology Design. *Association for Computing Machinery*, 492, 1–15. DOI: <https://doi.org/10.1145/3411764.3445303>

### Conference Proceedings

Jared Duval, Ferran Altarriba Bertran, Siying Chen, Melissa Chu, Divya Subramonian, Austin Wang, **Geoffrey Xiang**, Sri Kurniawan, and Katherine Isbister. (2021) Chasing Play on TikTok from Populations with Disabilities to Inspire Playful and Inclusive Technology Design. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)*. Yokohama, Japan.