William Olsker
Developer, Linux System Administrator, and Designer
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High school student looking for a job as a full-stack developer where I can apply my experience with frontend web technologies, backend development, and design.

Education
Mission Bay High School, an International Baccalaureate World School

High School GPA
- Grade 10-11 Total GPA: 3.80
- Grade 10-11 Total Weighted GPA: 4.45

Math Competitions
- AMC 8, 10, 12
- MOEMS Math Olympiad
- San Diego Math League

Relevant Coursework
- AP Calculus AB
- IB Math Analysis SL
- AP Computer Science Principles
- AP Computer Science A
- IB Engineering Design/Dev HL
- IB English HL
- Mandarin Chinese 5-6

School Awards
- 2017-18 Math Excellence (at Pacific Beach Middle)
- 2019-20 Honor Roll (4.38 WGPA)
- 2020-21 Q1 Honor Roll (4.75 WGPA)
- 2020-21 Q2 Honor Roll (5.0 WGPA)
- 2020-21 Q3 Honor Roll (5.0 WGPA)
- 2020-21 Q4 Honor Roll (5.0 WGPA)
- 2020-21 Perfect Attendance

Technology Skills

Programming Languages
- JavaScript/TypeScript: Highly Proficient, 7 years experience
- HTML/CSS: Highly Proficient, 7 years experience
- Python: Proficient, 6 years experience
- C++: Some Experience
- Java: Some Experience

Frameworks and Software
- React: Highly Proficient
- Node.js/Express: Proficient
- WebRTC: Proficient
- Jitsi Videobridge: Proficient
- MongoDB/Mongoose: Proficient
- MySQL: Some Experience

System Administration
- Experience using Google Cloud Platform
- Used Debian Linux on personal computer from 2015 to 2018
- Experience with Mac and Windows
- Experience administering Ubuntu servers

Relevant Experience

Developer and Project Lead
Ripple Meet / 2020-Present
Ripple Meet is a software development team that grew out of an entrepreneurship club at Mission Bay High School. Its goal is to solve the limitations of current online meeting software in the context of online learning. Ripple Meet v1 was used by MBHS teachers in the 2020-2021 school year and Ripple Meet v2 is planned to be adopted by San Diego Unified as the official live video platform in 2022.
- Sole developer for frontend and backend technology related to the project; including working with React, WebRTC, Node.js, Jitsi Videobridge, MongoDB, and Ubuntu on Google Cloud Platform
- Worked along with two other students as a designer and product developer
- Built relationships with teachers and school administration and garnered feedback to enhance the product

Neuroscience Gateway Intern
San Diego Supercomputer Center, University of California San Diego / Summer 2021
- Used Python
- Modeled neural networks on the Expanse supercomputer at UCSD
- Created final presentation "Exploring the effects of stochasticity on a circuit model of epilepsy"

Extracurriculars

- San Diego Math Circle (2014 - 2019)
- Mission Bay High Entrepreneurship Club (Feb - Nov 2020, other club members and I decided to leave the club and work on Ripple Meet as an independent project)
- Mission Bay High Cross Country (2018 - present)
- Learning Spanish and German independently, in addition to Mandarin Chinese from school