ARTURO OLVERA

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EDUCATION

University of California, Berkeley　　August 2018 - Dec 2022
B.A. in Mathematics and B.A. in Computer Science　　*Berkeley, CA*

The American School Foundation, A.C.　　August 2014 - May 2018
United States and Mexico diplomas　　*Mexico City, Mexico*

EXPERIENCE

Microsoft　　Jun - Aug 2021 | May - Aug 2022
Software Engineering Intern　　*Remote | Redomond, WA*

· Under Cloud and AI, Developer Division; Azure App Service
- Improved hosting environment scale-out time by using time series forecasting to intelligently predict customer scale outs.
- Worked on the App Service Environment team upgrading hosting environments to allow for new authentication protocols.
- Implemented SSL/TLS certificate fetching and auto-rotation giving customers the ability to use custom DNS suffixes.

HireBee　　January 2021 - May 2021
DevOps & ML Intern　　*Remote*

· HR technology platform, AI-powered recruitment automation; hirebee.ai
- Deployed and administrated a platform used internally for labelling a data set to train a named entity recognition model.
- Combined results of NER, Word2Vec, and LDA models into a web application that matched job descriptions to candidate resumes.

Jetty　　May 2019 - July 2019
Back-End Developer Intern　　*Mexico City, Mexico*

· Transportation technology startup, digitalizing transportation ticket sales; jetty.mx
- Designed and implemented dynamic Key Performance Indicator graphs for the operations team.
- Created administrator management and user receipt pages with Rails and Bootstrap.

NSC Asesores　　June 2018 - July 2018
Intern　　*Mexico City, Mexico*

· Independent financial investment advisory firm; nscasesores.com
- Met with investors and analysts to learn about portfolio administration and wealth management.
- Attended seminars on finance and investment at J.P. Morgan, Scotiabank, and Intercam.

EXTRACURRICULAR & RESEARCH

Directed Reading Program　　*January 2022 - May 2022*
- Independent mathematics reading program mentored by Guillaume Massas, followed Kanamori's *The Higher Infinite*.
- Focused on large cardinals and large cardinal axioms, especially inaccessible and measurable cardinals, and the constructible universe.

Reader for CS 70　　*August 2021 - May 2022*
- Held office hours and graded homework and exams for Berkeley's lower division Discrete Mathematics and Probability Theory course.

Berkeley Math Tournament　　*January 2020 - May 2022*
- Tournament director focused on logistics and technology management for our remote tournament with 1000+ attendees.

Cub Support　　*August 2020 - August 2021*
- Tutor for K-12 students, helping under-served communities succeed in a remote learning environment.

Gamescrafters　　*January 2020 - May 2020*
- Combinatorial and computational game theory research group led by Prof. Dan Garcia.
- Focused on one-player perfect information puzzles and solving them computationally.

AWARDS

- American Legion Award · *Recognizes courage, honor, leadership, patriotism, scholarship and service.*　　*May 2018*
- Excellence in Mathematics Award · *Yearly award for top mathematics student.*　　*April 2017*

SKILLS

- Python, C#, Java, SQL, Ruby, Django, Flask, .NET, Rails, C, HTML, CSS, JavaScript, Bootstrap, Vim, LaTeX.