

Jeremy Berchtold

Portfolio: <https://i-yam-jeremy.github.io>

Objective

Work as a Software Engineering Intern during Summer 2020.

Education

California Polytechnic State University, San Luis Obispo, CA

Sep 2017 - Jun 2021

Major: Computer Science

Minor: Mathematics

GPA: 3.46

Class Level: Junior

Relevant Coursework

Discrete Structures

Design and Analysis of Algorithms

Systems Programming (Unix, C)

Theory of Computation I

Linear Analysis II

Calculus IV (Multivariable)

Work Experience

Cal Poly

Computer Science Tutor

San Luis Obispo, CA

Jan 2019 - present

Listen to how students approach problems. Explain concepts clearly and concisely.

Google

Software Engineering Intern

Mountain View, CA

Jun 2019 - Sep 2019

Helped Chrome engineers optimize code by developing a performance analysis tool using Polymer. Improved design by using CSS flexboxes. Tested code against thousands of unit-tests and added more tests. Incorporated code review into my developer workflow.

Minds.ai

Programming Intern

Santa Cruz, CA

Nov 2015 - Sep 2017

Researched and tested PyTorch and TensorFlow for CTO. Interned for Minds.ai, a machine learning-focused start-up. Presented to global engineering team across Amsterdam, Bangalore, and Santa Cruz.

Skills

Languages: JavaScript, Python, Java, C/C++, TypeScript

Technologies: OpenGL/WebGL, React, Polymer, MongoDB, Node.js,
Parsers/Compilers, Java Bytecode Manipulation (BCEL and Javassist)

Projects

GemLoop (GitHub)

Sep 2018

Designed a functional programming language. Built an interpreter using only JavaScript (no libraries).

SarcASM (GitHub)

Oct 2018

Interpreted and evaluated postfix math operations. Used x86 assembly.

Additional

Club Beach Volleyball (2019 - present)

Member of Math Club and Association for Women in Math (2018 - present)

~25,000 channel views for Java-related YouTube tutorials ([I Yam Jeremy](#))