

Jesse Endo Jenks

jessejenks.github.io

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4386 Wheelock Student Center
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Education

University of Puget Sound

B.S. in Mathematics and Computer Science - double major

Current GPA 3.76 / 4.0

Relevant courses **University of Puget Sound / Study Abroad in Budapest, Hungary**
Artificial Intelligence, Algorithms, Software Engineering, Optimization, Theory of Computing
Analysis, Linear Algebra, Abstract Algebra, Mathematical Logic, Set Theory

Tacoma WA
expected May 2018

Skills

Languages Java, Python, Javascript, Processing, P5js, D3js, \LaTeX, Flask, Numpy, Seaborn, Prolog, Lua

Digital Media Adobe After Effects, Photoshop, Lightroom

Foreign Language Fluent in Japanese

Projects

Github.io page

Fall 2016-Present

- Personal website showcasing various interactive Javascript projects
- Blog section has over 20 interactive pages on topics ranging from fractals, cellular automata, markov chains, neural nets, and many other topics

Neural Net javascript library

Fall 2017

- Wrote a neural net library from scratch in javascript to visualize on blog site
- Includes different activation and cost functions, as well as backpropagation

COMAP Mathematical Contest in Modeling Finalist

Spring 2017

- Finished in top 11 out of 1,527 teams from around the world with 2 other teammates
- Created cellular automaton based model to study influence self-driving cars may have on traffic flow

Raspberry Pi Slackbot

Spring 2017

- Created a chatbot trained on text messages, YouTube comments, and Shakespeare
- Loaded onto a Raspberry Pi so that members could chat with it through a Slack channel

Experience

Makerspace Assistant University of Puget Sound, Tacoma, WA
Collins Library

Spring 2018

- Assisting students and faculty in using 3D printers, Arduino boards, Raspberry Pis, a laser cutter, a silhouette cutter, button makers, and other equipment

Teaching Assistant University of Puget Sound, Tacoma, WA
Philosophy Department

Spring 2017

- Assisted professor in administration for class of 19 students on Formal Logic
- Graded homework assignments and provided weekly tutoring sessions for class

Department Tutor University of Puget Sound, Tacoma, WA
Computer Science Department

Spring 2016 - Spring 2017, 2018

- Weekly peer tutor for all class levels

Media Services Staff University of Puget Sound, Tacoma, WA
Technology Services

Fall 2014 - Fall 2016

- Performed troubleshooting for staff and faculty on campus
- Handled media requests for classes, events, and presentations

School Activities

ACM President, Computer Science club 2016 - 2017
PMU Mathematics Honor Society Inducted Spring 2017
UPE C.S. Honor Society Inducted Spring 2016
PES Honor Society Inducted Spring 2015

Academic and Other Awards

School of Music Scholarship 2014-2018
Edward Goman Math Scholarship 2016 - 2018
Honors during Study Abroad in Budapest Fall 2017
Collier Interdisciplinary Scholarship Fall 2016

Other Interests

Interests, Skills Cello, Philosophy of Math, Recreational Math, Data Visualization