Jesse Endo Jenks

jessejenks.github.io / resume

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Tacoma, WA

Education

University of Puget Sound	B.S. in Mathematics and Computer Science - double major	Tacoma WA
Honors	*magna cum laude*	May 2018

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

Skills

Languages & Libraries   React, TypeScript, Express, Go, Postgres, Javascript, Java, Python, D3js, P5js
Digital Media   Adobe After Effects, Photoshop, Lightroom, Illustrator
Foreign Language   Fluent in Japanese

Experience

Fullstack Software Engineer	Hex Insights, Seattle, WA	September 2018 - Present

Hex Insights
- Working on a small team building single-page applications with React, Express, Django, and Postgres
- Created custom loading animations with React and HTML5 canvas
- Conduct unit and integration tests using the Jest framework
- Implemented custom API query system that improved page load times from 30 seconds to 150 milliseconds
- Designing RESTful APIs to interface with custom databases

Teaching Assistant	University of Puget Sound, Tacoma, WA	Spring 2017

Philosophy Department
- Graded homework assignments and assisted professor in administration for class of 19 students on Formal Logic
- Provided twice-weekly dedicated tutoring sessions throughout the semester

Department Tutor	University of Puget Sound, Tacoma, WA	Spring 2016 - Spring 2017, 2018

Computer Science Department
- Weekly peer tutor for all class levels

Projects

jessejenks.github.io   Fall 2016 - Present
- Personal website showcasing interactive projects
- Blog section contains over 20 interactive pages on topics ranging from fractals, cellular automata, markov chains, neural nets, and many others

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 automata based model to study the influence self-driving cars may have on traffic flow

Blog Post Filter   Fall 2019
- Created a custom language for filtering blog posts, and implemented a parser and interpreter
- Built demo page with a syntax highlighted input

Summer Research Paper - *What Do We Mean by Logical Consequence?*   Summer 2016
- Conducted independent research on differing views within mathematical logic
- Wrote a 20 page research paper on John Etchemendy's criticism of Tarskian model theory

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, logic and the philosophy of math, data visualization