

# Jesse Endo Jenks

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Tacoma, WA

[jessejenks.github.io/resume](https://jessejenks.github.io/resume)

## 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, A.I., Software Engineering, Compilers, Theory of Computing, Optimization  
Abstract Algebra, Category Theory, Mathematical Logic, Set Theory, Topology, Linear Algebra

## Skills

**Languages & Libraries**      React, TypeScript, Express, Go, Postgres, Javascript, Java, Python, Haskell  
**Tools & Environments**      VS Code, Git, Github  
**Foreign Language**      Fluent in Japanese

## Experience

**Full-stack Software Engineer**      Hex Insights, Seattle, WA      September 2018 - Present  
Hex Insights

- Working in a small team building single-page applications with React, Go, Express, Django, and Postgres
- Conduct unit and integration tests using the Jest framework
- Implemented custom API query system that significantly dropped page load times
- Created custom loading animations with React and HTML5 canvas
- Designing RESTful APIs to interface with custom databases

**Teaching Assistant**      University of Puget Sound, Tacoma, WA      Spring 2017  
Philosophy Department

- Graded assignments and assisted professor in administration for a 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

- A personal website showcasing interactive projects
- Blog section contains over 20 interactive projects 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

**TypeScript Parser Combinator Library**      March 2021

- Created a parser combinator library, written in TypeScript
- Built a demo page with a custom syntax highlighted editor

**Summer Research Paper** - *What Do We Mean by Logical Consequence?*      Summer 2016

- Conducted independent research on differing views on the foundations of mathematics
- 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**      2017  
**Collier Interdisciplinary Scholarship**      2016

## Other Interests

**Interests & Skills**      Cello, Logic, Philosophy of Mathematics