

# Jesse Endo Jenks

JesseEndoJenks@gmail.com  
linkedin.com/in/jesse-endo-jenks  
Tacoma, WA

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

## Skills

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

## Experience

**Software Engineer**      Relyance AI, Mountain View, CA      October 2018 - Present  
Relyance AI  

- Working on semantic code analysis to detect data flows of personal information
- Migrated to open source tree-sitter parsers for language frontends
- Designed and implemented a new Python backend pipeline for analysis, containerized with Docker and deployed to Kubernetes

**Full-stack Software Engineer**      Hex Insights, Seattle, WA      September 2018 - October 2021  
Hex Insights  

- Worked in a small team building single-page applications with React, Go, Express, Django, and Postgres
- Implemented custom API query system that significantly dropped page load times
- Created custom loading animations with React and HTML5 canvas
- Designed 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 over 20 interactive projects on a wide range of topics

**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