

Contact Information	<a href="mailto:anjali@cs.washington.edu">anjali@cs.washington.edu</a> <a href="https://github.com/ajpal">https://github.com/ajpal</a>	
Education	University of Washington Seattle, WA Ph. D. in Computer Science	Sept. 2022 - Present
	Brown University Providence, RI Sc. B. in Computer Science	Sept. 2013 - May 2017
Publications	<i>Equality Saturation Theory Exploration à la Carte</i> Anjali Pal, Brett Saiki, Ryan Tjoa, Cynthia Richey, Amy Zhu, Oliver Flatt, Max Willsey, Zach Tatlock, Chandrakana Nandi.	OOPSLA 2023
Research Experience	University of Washington Advisor: Zach Tatlock  Member of the <b>eggcc</b> team, developing an equality-saturation based compiler.  Developed <b>ENUMO</b> , a domain-specific language for programmable theory exploration. <b>ENUMO</b> programs easily replicate results from prior rule inference tools. <b>ENUMO</b> scales better to larger domains, finds deeper rules than prior tools, and enables rule inference in new domains that are out of scope for prior techniques.  Sandia National Laboratories Research Intern, Advisor: John Bender Contributed to formally-verified compiler for concurrent programs, implemented in Rocq. Implemented backwards-simulation proof demonstrating equivalence between concurrent semantics and single-threaded semantics.  Brown University Advisor: Shriram Krishnamurthi  Used Liquid Haskell refinement types to statically analyze R programs with matrix operations and surface matrix arithmetic errors as static type errors.	Feb. 2022 - Present      June 2024 - June 2025      Jan. 2016 - May 2016
Teaching Experience	Programming Languages, UW, Instructor	Summer 2025
	Programming Languages, UW, Co-Instructor	Fall 2024
	Software Design & Implementation, UW, TA	Winter 2024
	Grad. Programming Languages, UW, TA	Winter 2023
	First Byte of Computer Science, Brown University, TA	Spring 2017
	Programming Languages, Brown University, Head TA	Fall 2016
	Logic for Systems, Brown University, TA	Spring 2016
	Intro. Functional Programming, Brown University, Head TA	Fall 2015
	Intro. Object Oriented Programming, Brown University, TA	Spring 2015
	Intro. Functional Programming, Brown University, TA	Fall 2014

<b>Professional Experience</b>	<b>Code.org</b> , Software Engineer	Jan. 2019 - Jan. 2022
	Full-stack developer working on block programming environments for K-12 students. Significant projects include:	
	<ul style="list-style-type: none"> <li>• New block programming environment for writing and analyzing poetry.</li> <li>• Migration of Blockly block-based editor to new version.</li> <li>• Robust run-time validation system for Sprite Lab (elementary school students) with responsive feedback.</li> <li>• Data library and visualization tool for AP CS Principles.</li> </ul>	
	<b>Google</b> , Software Engineer	Sept. 2017 - Jan. 2019
	<i>Cloud Storage Security &amp; Privacy</i>	
	Implemented a FlumeJava pipeline to analyze object metadata in preparation for major metadata migration.	
	<i>Android Maps</i>	
	Implemented features to provide fresher data on the Maps directions screen for limited connection and low-bandwidth settings.	
<b>Service &amp; Outreach</b>	<b>PNW PLSE</b>	May 2025
	Co-Chair	
	<b>UW Pre-Application Mentorship Service</b>	October 2024
	Mentor	
	<b>PNW PLSE</b>	May 2024
	Co-Chair	
	<b>SPLASH OOPSLA 2024</b>	January 2024
	Artifact Evaluation Committee	
	<b>PNW PLSE</b>	May 2023
	Co-Chair	
	<b>Rainier Scholars</b>	Aug. 2018 - March 2020
	Lecturer	
	<b>Google CS Summer Institute</b>	July 2018
	Teaching Assistant	
	<b>Brown University Women in CS</b>	Sept. 2015 - May 2017
	Peer Mentor	