JASPER HUGUNIN

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SUMMARY OF QUALIFICATIONS:

- Proficient in Coq and Agda, familiar with Python, C++, Java, and more languages
- Research experience in dependent type theory

EDUCATION:

University of Washington, Seattle, WA	
In progress Bachelor of Science in Mathematics & Computer Science, GPA 3.99	Expected March 2019
Relevant Coursework: Intro to Logic (formal proof), Introductory Compile	•
Accelerated Advanced Honors Calculus (best in class)	
Fluent in Japanese	
Oregon Programming Languages Summer School	July 2018
 Studied topics in PL, focused on Parallelism and Concurrency 	
Western Summer School in Algebra	August 2017
RESEARCH:	
Single Author, Constructing Inductive-Inductive Types in Cubical Type Theory	Sept 2017 – Nov 2018
Improved the understanding of inductive-inductive types in HoTT	•
Formalized all proofs in Agda, some also formalized in Coq	
 Presented results at 2017 Theorem Proving and Provers meeting in Japar 	nese
Submitted paper to FoSSaCS 2019	
Single Author, Characterizing the Equality of Indexed W Types	Aug 2017
Proved in Coq that the equality of indexed W types is an indexed W type	up to equivalence.
• Gave sufficient conditions for bounding the homotopy level of indexed W	/ types.
 Posted results to Homotopy Type Theory mailing list 	
EMPLOYMENT:	
	lune 2016 - Sent 2016
Software Engineering Intern, Google, Seattle, WA	June 2016 - Sept 2016
 Software Engineering Intern, Google, Seattle, WA Worked on a simulator for testing load balancing policies 	June 2016 - Sept 2016
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