Thomas BERNARDI

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UNIVERSITY OF WASHINGTON: graduation December 2019
MAJOR: **B.S. in Computer Science**

EDUCATION

University of Washington	Computer Science	GPA: *3.92/4.0*
Everett CC / Glacier Peak HS	AP/Stem Track	GPA: *4.0/4.0*

SKILLS

Programming Languages:	OCaml, Java, C#, Javascript/Typescript, CLISP, Coq, Python, HTML/CSS, SQL, C, C++
Technologies/Frameworks:	AngularJS, .NET CORE, React, GIT, Android, LaTeX, Azure, Amazon Web Services
Soft Skills:	worked on agile/scrum team, enjoy working with and learning from team members understand complex problems and effectively communicate solution ideas

EMPLOYMENT

Software Engineering Intern	**Logic20/20** Full Stack Web Development	*September - December 2018*
Research in Formal Methods	**LIRMM (CNRS/University of Montpellier)** Software Development in OCaml	*May - July 2018*
Software Engineering Intern	**Fittraction** Front end Web Development	*July - August 2017*
Web Development	**Freelancing**	*June 2017*
Technical Market Researcher	**ITF Pharma / Women's Choice Pharmaceuticals**	*June 2016 - January 2018*
	FULL TIME INTERN at HQ in Pennsylvania	*Summer 2016*
	PART TIME CONSULTANT Remotely Employed	*2017 - 2018*
Technology Intern	**Snohomish School District IT Department** Installed, configured and commissioned various technologies in classrooms and district facilities	*June - August 2015*
Teaching Assistant	**Kumon of Alderwood & Woodinville** Grade classwork & give feedback and help to students pre-K through high school	*June 2015 - June 2016*
Maintenance Assistant	**Canoe Island French Camp**	*August 2016*

PROJECTS

ArchSAT (LIRMM)	Automated Theorem Solver (SMT), developed linear arithmetic theory to be integrated within the solver, which can now solve formulas that include linear arithmetic see technical writeup for advisor
Workout Sharing Site (Fittraction)	Build front-end only web solution to share workouts—used React for simple, well organized and well supported open source framework
Compiler/VM	Wrote a compiler and virtual machine in CLISP for compiling CLISP to simple bytecode
Verified Binary Search Tree	In Coq: wrote formal/mathematical specification of a binary search tree of integers and basic operations, implemented one and then proved its correctness and completeness

AWARDS

UW Dean's List	Fall **2016**, Winter **2017**, Spring **2017**
National Merit Scholar	Finalist
GPHS Valedictorian	Class of 2016
WA Knowledge Bowl	**2016:** 1st at state, **2015** 2nd at regionals, 6th at state
Classical Clarinet	**2016:** 1st Regional Solo, All State, **2015:** 1st Alternate Regional Solo, All NW
National AP Scholar	13 AP Tests
Future Problem Solving	INDIVIDUAL: **2016:** 1st at State, **2015** 2nd at state
	TEAM: **2013:** 3rd at International Conference, **2012-2016** 1st Place Presentations at State

ACTIVITIES

Study Abroad in Montpellier, France	University Exchange	*August 2017 - August 2018*
University District Food Bank	Weekly volunteering	
UW Circle K International	Miscellaneous volunteering	
FPS Evaluation fpspi.org	Evaluating grade school competition	
Hiking / Backpacking / Trail Running		

Links at thomasbernardi.github.io