Tyler MARKLYN

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EDUCATION

MAY 2015	**Harvey Mudd College**, Claremont CA
	Joint Major in COMPUTER SCIENCE AND MATH, Concentration in LINGUISTICS
	Dean's List, Final GPA: 3.62/4.00
JUNE 2011	**The Northwest School**, Seattle, WA | Final GPA: 3.96/4.00

WORK EXPERIENCE

AUG 2015-PRESENT

Software Developer & Analyst at INTENTIONAL SOFTWARE

Work primarily on implementation of an incremental computation based layout engine. The engine allows application developers on the Intentional Programming platform to use our Layout meta-language to create performant applications that can automatically performantly update visuals.

Worked on creating the API to allow application developers to extend the Layout Engine with their own custom visuals and animations, while still automatically providing incremental computation.

MAY 2014-AUG 2014

Software Engineering Intern at INTENTIONAL SOFTWARE

Worked on a number of projects including: creation of a color picker, modification of the ticket system, and leading a team of interns on a massive widget refactor.

SEP 2012-MAY 2015

Computer Science Grader/Tutor at HARVEY MUDD COLLEGE

Grader/Tutor for a number of courses, including: Data Structures and Program Development, Computer Systems, Computability and Logic, and Programming Languages.

JAN 2013-MAY 2014

Student Email List Moderator at HARVEY MUDD COLLEGE

Make sure that the antiquated student mailing list system at Harvey Mudd continues to function. Read, edit and forward emails from the command line.

JAN 2013-MAY 2013

Mathematics Head Grader at HARVEY MUDD COLLEGE

Head grader for Introduction to Linear Algebra and Introduction to Differential Equations.

COMPUTER SKILLS

Basic Knowledge:	ERLANG, SCHEME, UNIX, Mathematica, textscc, HASKELL, CUDA
Intermediate Knowledge:	C#, C++, PYTHON, MATLAB, Java, Excel, LaTeX
Practice in:	Incremental Computation, Data Structures, Distributed Systems, Programming Languages, Functional Design, Object Oriented Design, Computer Systems

LANGUAGES

ENGLISH: Fluent   ITALIAN: Fluent   SPANISH: Fully able to converse   FRENCH: Basic Knowledge

INTERESTS AND ACTIVITIES

Incremental Computation, Data Visualization, Data Structures, Distributed Algorithms, Domain Specific Languages, Programming Language Creation

Video Games, Linguistics of Natural Languages, and their relation to programming languages

Competitive Magic: the Gathering, Baseball, Football, Juggling, Any Seattle-based sports team