

# Tim Mertogul

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## Education

**University of California, Santa Cruz**

September 2012 – June 2016

**Bachelor of Science, Computer Science**

Computer Science GPA: 3.69

Cumulative GPA: 3.41

### Relevant Courses:

- Advanced Programming
- Algorithms and Abstract Data Types
- Applied Discrete Mathematics
- Comparative Programming Languages
- Computational Models
- Computer Architecture
- Computer Systems and Assembly Language
- Foundations of Interactive Game Design
- Fundamental Compiler Design I
- Introduction to Analysis of Algorithms
- Introduction to Data Structures
- Introduction to Operating Systems
- Introduction to Programming (Accelerated)
- Introduction to Software Engineering
- Probability and Statistics for Engineers
- Social Networks
- Software Design Project
- Software Design Project II

## Languages/Skills

C++ | C | Java | Ocaml | Perl | Smalltalk | SQL | Swift | Scheme | Regex | Haxe | Python | HTML  
Scrum | Git | Agile Development | Domain Modeling | Trello

## Experience

### Software Design Project (TiVo)

January 2016 – June 2016

- Worked in a team of peers under mentorship from TiVo to extend the open source Haxe C++ Debugger.
- Added the ability to set breakpoints within nested expressions, functionality that is currently not present in any other open source C++ debugger.
- Integrated our changes as a command line debugger and as a plugin for IntelliJ IDEA.
- Created a Guitar Tablature writing tool to showcase Haxe's ability to compile to multiple platforms.

### Software Methodology Project

September 2015 – December 2015

- Developed an iOS online bulletin board application with a team of peers using the Scrum methodology.
- Created a central location for information about all campus activities and events.

### UCSC Humanities Department, Computing Assistant

October 2013 – April 2016

- Apple hardware repair, faculty software/hardware support, division backups, build and deploy images.

## Activities

UCSC Roller Hockey Club – Vice President

September 2012 – June 2016

## References

Dr. Linda Werner • Computer Science Professor, UCSC • (831) 459-1017 • [linda@soe.ucsc.edu](mailto:linda@soe.ucsc.edu)

Jay Olson • Client Services Manager/System Administrator, UCSC • 831-459-5696 • [jeo@ucsc.edu](mailto:jeo@ucsc.edu)