

THOMAS J. X. C. NIJSSEN

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Skills

Computer Operating Systems

- Linux: various distributions
- Microsoft Windows

EDA Tools

- Xilinx Vivado

Computer Programming Languages

- Proficient with Perl, Java, HTML, JavaScript, SQL, C
- Intermediate in Verilog, C++, Matlab, Python

Experience

Research & Development Intern

June 2017-September 2017

Broadcom Wireless Systems Division

San Jose, CA

- Developed embedded software to automate high-volume testing
- Updated Automated Test Framework to reliably test high volumes of parts

Logic Design Lab Tutor

March 2017-Present

Baskin School of Engineering, UC Santa Cruz

Santa Cruz, CA

- Assisted students with questions about assignments
- Aided in debugging students' designs

Student Consultant

March 2016-Present

Faculty Instructional Technology Center, UC Santa Cruz

Santa Cruz, CA

- Supported faculty and graduate students with inquiries over the phone and via ticket
- Organized and performed conversions of media
- Migrated and archived material from legacy system

Teacher's Aide

June-July 2015

Math Enrichment Summer Program

San Jose, CA

- Assisted the teacher with teaching Algebra 1 students
- Performed administrative tasks related to the class

Lighting Designer / Master Electrician

2012-2015

Leland High School Drama Department

San Jose, CA

- Designed, implemented, and operated lights for the theater productions and other school events
- Oversaw and delegated tasks to colleagues

Intern / Lab Technician

August 2014

Achronix Semiconductor Corporation

Santa Clara, CA

- Carried out a suite of tests on a product to ensure quality

Intern

August 2012

Achronix Semiconductor Corporation

Santa Clara, CA

- Evaluated the possibility of implementing open source RISC processor solutions on their line of FPGAs
- Created a professional presentation detailing my findings

Education

Computer Engineering, B.S.

UC Santa Cruz

Anticipated Graduation: June 2019

Santa Cruz, CA

- Pursuing a minor in Electrical Engineering
- Relevant Coursework: Logic Design, Computer Systems/Assembly Language, Intro to Electronic Circuits