

# John B. Finn IV

545P Cory Hall, Berkeley, CA 94720

Phone: (630) 251 - 5377 • E-Mail: johnbfinniv@gmail.com • Website: johnbfinniv.com

Employment Status: US Citizen



## Objective

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To obtain a summer internship in the field of computer-aided design, specifically focusing in the design, modeling and/or verification of circuits or embedded systems

## Education

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### University of California - Berkeley, CA

August 2010 to Present

Ph.D. student in Electrical Engineering and Computer Science (EECS)

Advised by: Alberto Sangiovanni-Vincentelli

Expected Graduation: May 2015 Cumulative GPA: 4.0/4.0

### Purdue University - West Lafayette, IN

August 2005 to May 2010

Bachelor's Degree in Electrical Engineering (BSEE) with Highest Distinction

Cumulative GPA: 3.97/4.0 Major GPA: 4.0/4.0

## Work Experience

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### University of California - Berkeley, CA

August 2010 to Present

Graduate Student Researcher

- Created multiple aircraft electric power system models in SysML (Rational Rhapsody)
- Developed, implemented and analyzed analog mixed signal circuit models in SystemC-AMS

### United Technologies Research Center – East Hartford, CT Summer 2011

- Developed software to analyze, simulate and evaluate various aircraft electric power system topologies in MATLAB/Simulink
- Created and implemented aircraft electric power system models in MATLAB/Simulink

### BAE Systems - Nashua, NH

Summer 2010

- Developed transistor-level circuit models in MATLAB
- Designed and implemented signal processing software in MATLAB

### Hamilton Sundstrand - Rockford, IL

August 2006 to August 2009

Co-op student with five internships totaling nearly two years of experience

- Performed various aircraft generator qualification and development tests
- Designed numerous pieces of aircraft generator test equipment
- Contributed to the build and checkout efforts of the Airplane Power System Integration Facility of the Boeing 787

## Teaching

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### Purdue University - West Lafayette, IN

Undergraduate teaching assistant for:

- ECE 270: Introduction to design of digital systems (Spring 2009)
- ECE 207: Introduction to electronic measurement techniques (Summer 2008)

## Computer Skills

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- Proficient with: MATLAB, C, HFSS, HTML
- Experience with: Simulink, C++, Perl, SystemC, SystemC-AMS, SAT/SMT Solvers, Ptolemy II, LabView, Rhapsody SysML

## Honors

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- Senior Design Designer/Leader Award (Fall 2009)
- Member of Eta Kappa Nu and Tau Beta Pi