

# Sean Krail

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## COMPUTER ENGINEERING UNDERGRADUATE

Highly motivated senior computer engineering undergraduate seeking both internship and full-time opportunities internationally in a wide range of fields. Interested in leveraging mathematical modeling experience, programming knowledge, instruction set architecture study, and hardware design skills to positively contribute to an organization's objectives, while also gaining valuable industry and life experiences.

## SKILLS/EXPERIENCE (grouped by comfortability)

+ 5	C/C++   Java   Clang's LibTooling   JavaScript   Android   MIPS   Unix Command Line
4	SIMetrix   Breadboards   Microcontroller Programming   Calculus   Cadence   KiCad
3	Software Development   Integrated Circuit Design   Instruction Set Architecture   Clang
2	LLVM   FPGA Programming   Spice Simulations   Data Structures   Signal Analysis
- 1	Field Theory   SQL   PHP   Computer Networking   Systems of Differential Equations

## RELEVANT COLLEGE COURSES (graduate courses are underlined)

Microcircuit Analysis I & II | Software Engineering | Mathematical Modeling | FPGA & PCB Prototyping  
Computer Networking | Field Theory | Radar Systems | Random Signals and Noise | VLSI Systems  
Senior Design I | Computer Engineering | Microprocessor Systems | Parallel Computer Architecture

## EDUCATION

**University of Delaware** | Newark, DE | Expected Graduation: Spring 2016  
*Bachelor of Computer Engineering with Mathematics and Computer Science Minors*  
Dean's List Spring 2015 with a 3.9 GPA

**Souderton Area High School** | Harleysville, PA | Graduation: June 2012  
*AP Courses: Calc AB | Microeconomics | Macroeconomics | Statistics | U.S. History*

## WORK EXPERIENCE

**Christiana Commons Front Desk Staff** | Newark, DE | Fall 2012 through Fall 2014  
Front desk serving over a thousand students living on University of Delaware's Laird campus.

### Front Desk and Mailroom

- Multitasked to help more than one student or fellow employee at a time.
- Communicated specifications to students passed down to me by my supervisor.
- Performed operations on the university's database of students in a high-level application.

## ACTIVITIES AND INTERESTS

**Future Business Leaders of America** | 2 years | Souderton Area High School  
**High School Volleyball** | Varsity | Souderton Area High School  
**Longboarding** | Hills  
**Hiking** | Nature