

# Albert (Teddy) Heidmann

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Website: <http://ateddy42.github.io/>

## EDUCATION

**Cornell University, College of Engineering**, Ithaca, NY

Pursuing a Bachelor of Science in Computer Science, Expected May 2016

**Relevant Courses:** Discreet Structures • Data Structures and Functional Programming • Networks • Object-Oriented Programming and Data Structures • Visual Imaging in the Electronic Age • Linear Algebra • Differential Equations • Networks II • Probability Models & Inference •

Introduction to Analysis of Algorithms • Computer System Organization and Programming

**Currently Enrolled:** Introduction to Natural Language Processing • Operating Systems • Foundations of Artificial Intelligence

## RELATED EXPERIENCE

### SOFTWARE ENGINEERING INTERN

NetApp, Inc.

JUNE 2015 - AUGUST 2015

Sunnyvale, CA

Wrote a CLI/API to generate aggregate metrics of Customer Systems Risk results (aka ARS - At Risk Systems). This is then displayed to customers to give them an idea of the top N risks affecting them based on severity, number of systems affected, etc. Another project was to identify correlations between specific risks and system failures, and alert customers with preventative actions.

### DEVELOPER, COMPUTER SCIENCE COURSE MANAGEMENT SYSTEM (CSCMS)

Cornell University

APRIL 2015 - PRESENT

Ithaca, NY

Part of a 30+ person team dedicated to maintaining the current and developing a new version of the Computer Science Course Management System at Cornell University. The current project is roughly 60,000 lines of code and runs on the J2EE language. We are working on moving the system to run on JPA or Fabric. <http://www.cs.cornell.edu/Projects/CMS/>

### COMMUNICATIONS CHAIR

Alpha Sigma Phi Fraternity

MAY 2014 - PRESENT

Ithaca, NY

Developed a website from scratch using Django (roughly 6,000 lines of code written). Included both a front-end section for the public to view, and a section for viewing individual accounts, social deposits, house points, etc, as well as a wiki with a page for each brother. Also installed a new internet modem, transitioned to a new ISP, and set up a server running Windows Server 2012.

## OTHER EXPERIENCE

### RESIDENT ADVISOR

Residential and New Student Programs, Cornell University

AUGUST 2014 - PRESENT

Ithaca, NY

Supervised 42-52 students on a residence hall floor. Served as primary resource on campus policy and information. Counseled students having difficulty adjusting to college experience. Programmed large-scale social activities for building complex of more than 450 students, including bowling, rock climbing, paintball, game nights, and a sesquicentennial celebration. Recognized with the "Advisor of the Year" award for work with the Hall Council.

### LOW AND HIGH ELEMENT FACILITATOR

Cornell Team and Leadership Center, Cornell University

FEBRUARY 2015 - PRESENT

Ithaca, NY

Facilitates large and small groups on both low and high challenge course elements. Responsibilities include: working with groups in advance of program to determine goals and a program plan that addresses those goals; setup and take down of challenge course elements; instruction and facilitation of games, initiatives and challenge course activities. <https://ctlc.cornell.edu/>

## ADDITIONAL SKILLS

**Software:** Vim, GitHub, Microsoft Word and Excel; Adobe Photoshop, Illustrator, InDesign, and Dreamweaver

**Programming:** UNIX operating system, Java, J2EE, JPA, C, R, Python, HTML, PHP, SQL, OCaml, Joomla!, Django, LaTeX

**Communication:** Experienced peer counselor and group facilitator.

## ACTIVITIES

**Cornell Ambassadors:** Lead information sessions, participate in both student and parent panels, guide tour groups from high schools visiting Cornell. Also responded to email inquiries from prospective and admitted students.

**Cornell Outdoor Education:** Teach basic rock climbing PE classes to Cornell students and local community groups.

**Venturing, Boy Scouts of America, Western Region VP of Communications:** Organized events for the entire Western Region, and created fliers, promotional materials, and a bimonthly newsletter for events. Also maintained a website written in Joomla!.

## HONORS/ AWARDS

2nd Place - CS 3110 Tournament: Implemented a Pokemon-style game simulation, and wrote a bot to compete against other bots in a tournament. Description: <http://www.cs.cornell.edu/Courses/cs3110/archive/tournaments.html#fa2014>

Eagle Scout • Venturing Silver Award • Western Region Venturing Leadership Award