AMANDA SOPKIN
COMPUTER SCIENCE, MAY 2017

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN: Computer Science, B.S. MAY 2017
- ❖ GPA: 3.3/4.0 | #5 CS Program in U.S.
- ❖ UIUC University Achievement Scholarship 2013-2014, 2014-2015, 2015-2016
- ❖ Coursework: Algorithms, Programming Studio, The Art and Science of Web Programming, Data Structures, Systems Programming, Computer Architecture, Data Mining

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EXPERIENCE

INTEL: SOFTWARE ENGINEERING INTERN (Chandler, AZ), May 2015 – Aug. 2015
- ❖ Built Python modules to scrape and send live data to a cloud for 11 interactive data systems
- ❖ Developed an Intel RealSense program with C# to recognize hand gestures
- ❖ Created a synchronized dance routine in Python for 3 different robots
- ❖ Did a live demo at the Intel Developer Forum (patent pending)

SANDIA NATIONAL LABS: CYBER DEFENSE INTERN (Albuquerque, NM), May - Aug. 2014
- ❖ Built a randomized enterprise environment with up to 30,000 virtual machines
- ❖ Created and deployed scripts to populate enterprise environments with key software
- ❖ Developed an Android application to alert 10,000 employees of restricted area rules
- ❖ Redesigned website for usability using CSS, HTML, and JavaScript

GIFTCADDIE.COM: TECHNICAL CONSULTANT (Champaign, IL), Oct. 2013- Feb. 2015
- ❖ Optimized website for search engines to decrease bounce rate by 20%
- ❖ Designed, created, and installed widgets for 5 partner nonprofits

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LEADERSHIP

ENGINEERS WITHOUT BORDERS@UIUC: President, 2016
- ❖ Creating corporate sponsorship plan to offset $100,000 estimated project costs
- ❖ Traveled to Ntisaw, Cameroon to assess a water system that serves 10,00 people
- ❖ Created New Member Development program to ease transitions for 100 members

PROFESSIONAL ENGINEERING FRATERNITY KAPPA THETA TAU: Regent, 2015-2016
- ❖ Managing a team of 14 people to plan events for 90 chapter members
- ❖ Improved attendance by 50% by creating incentives and conducting surveys
- ❖ Planned over 30 professional development events and programs

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SKILLS & HONORS

LANGUAGES: Python, Java, C++, C, HTML/CSS, C#, JavaScript

TOOLS & FRAMEWORKS: Node, Angular, JQuery, Sass, Grunt, Bower, Git, Flask, Ruby on Rails

HONORS:
- ❖ Generation Google Scholar for 2016 selected from global canddiate pool
- ❖ The Box Engineering Grand Scholar for 2015 selected from over 300 applicants in 2015
- ❖ 1 of 6 3Red Trading Tech Challenge Winners selected from over 100 applicants in 2015
- ❖ 1 of 70 students selected from 1400 applicants for Google's BOLD program in 2015
- ❖ 1 of 2 JP Morgan Chase Scholars for 2015
- ❖ The Outstanding Society Member for Engineers without Borders in 2015

PROJECTS

GOOGLE CODEU PROGRAM
- ❖ Selected as 1 of 100 students chosen from over 500 applicants
- ❖ Worked on an 8 week series of technical exercises with a Google engineer mentor
- ❖ Created an Android application to help users build habits using Java and SQLite

AUTOMATED SYSTEMS FOR EWB@UIUC AND THETA TAU
- ❖ Created scripts to parse attendance records for 110 people into an understandable format
- ❖ Built an automated system for tracking payments and reimbursements using Python
- ❖ Developed an automated email system to send emails to over 100 people at a time

WEB PROGRAMMING
- ❖ Using the MEAN stack to build a birthday manager for scheduling reminders
- ❖ Created a REST API that allows student organizations to manage events and 100s of users
- ❖ Used JointJS to build an interactive family tree with more than 200 nodes