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
- ❖ UIUC University Achievement Scholar
- ❖ Coursework: Algorithms, Programming Studio, The Art and Science of Web Programming, Data Structures, Systems Programming, Computer Architecture, Data Mining, Graph Theory

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EXPERIENCE

ZILLOW: SOFTWARE ENGINEERING INTERN (Seattle, WA), May 2016 - Aug. 2016
- ❖ Built API and frontend functionality to create bounding boxes for 100,000+ products
- ❖ Shipped site improvements 1-2 times weekly using JavaScript, Python, and CSS
- ❖ Wrote product specifications and designed notification feed for 50 million Zillow users
- ❖ Worked within a team of 5 engineers to design, develop, and debug site features

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

SANDIA NATIONAL LABS: CYBER DEFENSE INTERN (Albuquerque, NM), May - Aug. 2014
- ❖ Built a randomized enterprise environment capable of supporting 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

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LEADERSHIP

ENGINEERS WITHOUT BORDERS@UIUC: PRESIDENT, 2016
- ❖ Creating corporate sponsorship plan to offset an estimated $100,000 of project costs
- ❖ Traveled to Ntisaw, Cameroon to assess a water system that serves 1,000 people
- ❖ Developed New Member Development program to ease transitions for 200+ new members

PROFESSIONAL ENGINEERING FRATERNITY KAPPA THETA TAU: PRESIDENT, 2015-2016
- ❖ Managed a team of 14 people to plan events for 90 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++ | Ruby on Rails | C | C#

WEB DEVELOPMENT: Node | Angular | React | Flask | D3 | JQuery | JavaScript | HTML5/CSS3

PRODUCT DESIGN: Web | Mobile | UI/UX | Responsive Design

HONORS:
- ❖ Generation Google Scholar for 2016 selected from global candidate pool
- ❖ The Box Engineering Grand Scholar for 2015 selected from over 300 applicants in 2015
- ❖ One of 6 3Red Trading Tech Challenge Winners selected from over 100 applicants in 2015
- ❖ One of 70 students selected from 1400 applicants for Google's BOLD program in 2015

PROJECTS

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 sending reminders 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
- ❖ Used D3.js to create 5 interactive data visualizations from data on Zillow employees
- ❖ Designed and created a REST API that allows student groups to manage 1000s of users

COZAD NEW VENTURES CONTEST: RECEIPT REDUCER
- ❖ Received the Best Undergraduate Team award; selected from among 50 different teams
- ❖ Presented product design and overall vision in pitch contest before panel of 20 experts
- ❖ Developed business materials including revenue model and product specifications