Andrew Shekhar Breckenridge

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EDUCATION

University of Illinois at Urbana-Champaign   May 2018
- Bachelor of Science, Computer Science and Anthropology

Novi High School   May 2014
- International Baccalaureate Diploma Recipient

EMPLOYMENT & WORK EXPERIENCE

iOS App Developer - Zangle (andrewsb.github.io/zangle)   May 2014 - Present
- Independently designed an iOS app for high school students that have the Mistar service implemented in their school district to check their grades. The app has since been installed on over 1500 unique devices.

Technical Lead at Emporia International (emporiaintl.com)   Jun 2014 - Present
- Along with 4 partners, founded a digital consumer marketing business for local businesses in Novi, MI. In charge of making websites and mobile apps for clients.

Technical Consultant for Retired Army Veteran   Jun 2014 - Present
- Provided pro bono consultancy to Ramon Bakerjian, an army veteran trying to raise awareness for The Wounded Artist Project

Technical Consultant for Startup: Blackjack Odds Calculator   Mar 2014 - May 2014
- Primary tech consultant for a web app for a Biomedical PhD., Daniel Dubay, from Ann Arbor, MI that provided high level statistical analysis for the popular card game Blackjack.

Summer Intern at Tata Technologies   May 2014 - Aug 2014
- One of two Interns at the American Headquarters of Tata Technologies (a company in the TATA Group). Created internal iOS apps for their Timebooking service and optimized their employee on-boarding process.

SELECTED OPEN-SOURCE PROJECTS

twitch-plays-tinder
- Made a web-app that streams a port of Tinder for the web onto twitch.tv. It's a parody of the popular online phenomenon *Twitch Plays Pokémon* where online communities can collectively play the matchmaking game Tinder

MistarApp
- Designed and developed an iOS app as a solution for high school students to access their grades through an intuitive interface on their phones

multi-device-video
- Developed a web-app in node and angular that splits a youtube video's video stream between two smartphones to allow for a larger video viewing screen

TwitterPMI
- Wrote a bunch of python scripts to perform Pointwise Mutual Information tests on a corpus of twitter data I obtained

andrewsb.github.io
- Designed a small personal website with subtle javascript and CSS animations to host my résumé as well as links to my online presence

HONORS & AWARDS

Connected Home Solution - 2nd at Startup Competition 54.io   Aug 2014
- Furthered my Mhacks project, Smoldr, at a (54 hour) startup competition in Urbana-Champaign. Worked primarily on a business plan for the hacks' resulting startup

Smoldr - Top 10 Hack at Mhacks 2014 & Award for Usage of Online Services from Microsoft Sep 2014
- Designed a hardware hack that retrofits any existing smoke detector, connects to the internet and assists in fire emergencies. The hack has three accompanying mobile applications for iOS, Android, and Windows phone.

Eagle Scout - Boy Scouts of America   Jul 2014

Blisst - Best Application at CodeDay Detroit May 2014
- Designed both iOS and Android apps for a novel todo list paradigm at CodeDay Detroit, a 25 hour hackathon.

IBM Master the Mainframe Contest - Part 1 Finalist Oct 2013 & 2014
- 2012 & 2013 finalist in Part One of IBM's Mainframe Competition which included debugging machine control languages and manipulating data-structures in a mainframe environment.

Indian Informatics Olympiad - Delhi State Oct 2012
- Ranked 4th in a Delhi state competition on topics ranging from HTML to simple logic to the .NET framework.

LEADERSHIP EXPERIENCE

President of Lambda Alpha Aug 2014 - Present
- President of the University of Illinois Anthropology Honor Society. Responsibilities include planning projects, organizing and leading meetings, handling new members, and interfacing with the department faculty

Boy Scout Troop Senior Patrol Leader Jul 2012 - Nov 2012
- Senior Patrol Leader (scout leader) of Boy Scout Troop 60 in New Delhi, India chartered to the American Embassy School. Led troop on a myriad of treks, campouts and meetings.

Co-Founder and President of Computer Club Jun 2012 - May 2013
- Co-founded the Sanskriti School Computer Club at my high school in India. The club discussed recent innovations and developments in the tech world, instructed members in various Adobe software packages (Photoshop, After Effects, etc.) and taught basic HTML to build simple websites.

SKILLS

Programming and Software Development
- C, Java, Javascript, Python
- Git
- iOS Development (Objective-C, Swift, and Experience with Instruments)
- Mac Development (Objective-C, and Swift)
- Web Development - Node.js stack, and vanilla HTML - CSS - JavaScript
- Data Presentation and Processing - R Statistical Package, and Natural Language Text Processing (in Python)

Speaking and Writing
- Able to produce concise, organized reports and papers
- Regularly write and deliver speeches and papers of over 3000 words in length

Language
- Speak, read, write, and understand:
  - English
  - Hindi
  - French
  - Marathi
- Speak, and understand
  - Urdu
  - Pashto