

# Andrew Shekhar Breckenridge

github.com/AndrewSB

[andrewsb.github.io](http://andrewsb.github.io)

@Andrew\_Breck

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## EDUCATION

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### University of Illinois at Urbana-Champaign

anticipated May 2018

- Bachelor of Science, Computer Science and Anthropology

### Novi High School

May 2014

- International Baccalaureate Diploma Recipient

## EMPLOYMENT & WORK EXPERIENCE

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### iOS App Developer - Zangle ([andrewsb.github.io/zangle](http://andrewsb.github.io/zangle))

May 2014 - Present

- Independently designed an iOS app for high school students that are in school districts with the Mistar service implemented. The app allows them to check their grades. It has been installed on over 1500 unique devices

### Technical Lead at Emporia International ([emporiaintl.com](http://emporiaintl.com))

Jun 2014 - Present

- Founded a brand development agency for local businesses in Novi, MI. In charge of making websites and mobile apps for clients who require digital marketing (social media and creating a strong online presence)

### 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](#) by developing mobile apps

### Technical Consultant for Startup: Blackjack Odds Calculator

Mar 2014 - May 2014

- Primary tech consultant 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. Created internal iOS apps for their TimeBooking service and optimized their employee on-boarding processes.

## SELECTED OPEN-SOURCE PROJECTS

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### twitch-plays-tinder

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

### MistarApp

- Designed and developed an iOS app as a solution for high school students to access their grades 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 and a research paper on a large-scale Pointwise Mutual Information test I ran on a corpus of twitter data I obtained

### [andrewsb.github.io](http://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

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### 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 &amp; 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 4<sup>th</sup> in a Delhi state competition on topics ranging from HTML to simple logic to the .NET framework.

**LEADERSHIP EXPERIENCE**

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**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

**Co-Founded 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 and taught basic HTML to build simple websites.

**SKILLS**

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**Programming and Software Development**

- Java, Javascript, Python, and basic C & C++
- Git
- iOS Development (Objective-C, Swift, and Experience with Xcode 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)

**Language**

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