

# RYAN FOLZ

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## EDUCATION

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**duPont Manual High School** — *Math, Science, and Technology magnet* Class of 2017

**Northeastern University Honor's Program** — *Computer Science* Class of 2022

- Programming Experience: Four years of Android Development, one year of React Native Development.
- GPA: 4.05; ACT composite: 35
- AP BC Calculus; AP Algebra Based Physics, AP Computer Science

## WORK EXPERIENCE

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**Thistle** — *Software Engineer Intern & Part-time consultant (San Francisco)* June 2017 - September 2017

- Worked on a team of software engineers to build a user-friendly app for managing user content
- Engaged in daily stand-ups, weekly meetings with marketing and UI teams, and monthly updates to CEOs on progress.
- Pushed version 1.0 to users on September 26, 2017.
- Used React Native and JavaScript for cross-platform application development.

**Mellow Mushroom** — *Delivery Driver* July 2016 - March 2017

- Delivered multiple pizzas per run: promptly, accurately, and professionally.
- Drove safely and followed road regulations; zero driving incidents on record.

**Test Preparation Tutoring** — *Tutor* June 2016 - April 2017

- Tutored students in math concepts like geometry, algebra, and trig, to prepare them for the ACT and SAT.

**Information Technology Consultant** — *Technical Support* April 2015 - August 2017

- Provided personalized technical support to SelfSeekHypnosis (Louisville, KY).
- Set up email accounts, computer programs, and online services; answered questions and wrote help documents.

## AWARDS AND ACHIEVEMENTS

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**Application Development for Science Fair** — *Android, Java, Matlab, AWS*

- 1st place Regional Science Fair — 2nd place State Science Fair — 3rd place KJSHS
- Developed a low-cost 3D printed electronic stethoscope that connects to an Android application and allows medical workers to perform full cardiac auscultations. Using machine learning and neural networking to achieve a 96 percent accuracy rate, which is the highest accuracy rate of any algorithm on the data set used.
- International Science and Engineering Fair (ISEF) Finalist

**Independent Published Applications** — *Android*

- Three applications currently published to the Google Play Store.
- 12,000 downloads total.
- Average of 4.21 / 5.00 stars across the three applications.
- Visit <http://www.ryanfolz.com> for a complete list of independent projects

**National Merit Finalist**

## TECHNICAL SKILLS

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<b>Languages and Notations</b>	Java, JavaScript, SQL, C, C++, HTML, XML, JSON (through APIs)
<b>Technologies</b>	Android Studio, Firebase, React Native, Eclipse, AWS, Matlab, Git
<b>Hobbies</b>	Climbing, Producing Electronic Dance Music, Soccer, Ballroom Dancing