

RYAN FOLZ

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EDUCATION

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

Class of 2017

University of North Carolina at Chapel Hill — *Computer Science B.S.*

- Programming Experience: Four years of Android Development, one year of React Native Development.
- C.S. Related Courses: Data Structures, Algorithms, Calculus of Multiple Variables, Linear Algebra.

WORK EXPERIENCE

Strava — *Software Engineer Intern (San Francisco, CA)*

May 2018 - August 2018

- Worked on a part of the Strava Summit team focusing on the paid-user experience as an Android Developer.
- Finished rebranding the Strava Premium brand to Strava Summit.
- Repackaged the way users pay for specific Strava features that resulted in a significant boost in paid users.
- Used Java and Kotlin with Android Studio.

Thistle — *Software Engineer Intern (San Francisco, CA)*

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.

Self Seek Hypnosis — *I.T. Consultant (Louisville, KY)*

April 2015 - May 2017

- Provided personalized technical support.
- Set up email accounts, computer programs, and online services; answered questions and wrote help documentation.

AWARDS AND ACHIEVEMENTS

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

- 1st place Regional Science Fair — 2nd place State Science Fair — 3rd place KJAS
- Developed a low-cost 3D printed electronic stethoscope that connects to an Android device and allows medical workers to perform and record full cardiac auscultations. Heart sounds are analyzed via a custom machine learning algorithm 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.
- 18,000 downloads total.
- Average of 4.21 / 5.00 stars across the three applications.
- Visit <http://www.ryanfolz.com> for a complete list of in-progress and finished independent projects.

National Merit Finalist

TECHNICAL SKILLS

**Languages and Notations
Technologies**

C, HTML, Java, JavaScript, Kotlin, HTML, SQL, XML
Android SDK, Firebase, React Native, Redux, Expo, AWS, Git