

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.* Class of 2021

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