RYAN FOLZ

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EDUCATION

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

Northeastern University — *Computer Science Game Design*   Class of 2021

· Programming Experience: Three years of Android Development
· GPA: 4.05; ACT composite: 35
· AP BC Calculus; AP Algebra Based Physics, AP Computer Science

AWARDS AND ACHIEVEMENTS

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.
· These awards let me travel to San Diego and Los Angeles for Junior Science and Humanities Symposium and the International Science and Engineering fair.
· Future plans include applying for grants and patenting the platform.

Published Applications — *Android*

· Three applications currently published to the Google Play Store.
· 8,000 downloads total.
· Average of 4.21 / 5.00 stars across the three applications.

National Merit Finalist

WORK EXPERIENCE

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 - present

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

Self-employed — *Technical Support*   April 2015 - present

· Provided personalized technical support to SelfSeekHypnosis
· Set up email accounts, computer programs, and online services; answered questions and wrote help documents.

TECHNICAL SKILLS

Languages and Notations	Java, SQL, C, C++, HTML, XML, JSON (through APIs)
Technologies	Android Studio, Atom, Photoshop, Gimp2, Eclipse, Robot-C, Git, Unreal Engine

ORGANIZATIONS

duPont Manual Association for Computing Machinery — Vice-President, 2016 - 2017
duPont Manual e-Sport Club — President, 2015-2017