ADAM RINEHOUSE

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EDUCATION

Dartmouth College, Hanover, NH — **June 2019**
Bachelor of Arts: Double Major in Computer Science and Music — **GPA 3.86/4.0**
Honors/awards: Rufus Choate Scholar, Citations for Academic Excellence: CS 52, Music 20, Music 21

Wyoming Seminary College Preparatory School, Kingston, PA — **May 2015**
Honors/awards: Levi Sprague Fellowship, Frederick J. Rudolph Prize for Historical Writing, — **GPA 4.5/4.0 Weighted**
Cum Laude Society, Brown Book Award, School Choral Award — **3.8/4.0 Unweighted**

WORK EXPERIENCE

Digital Arts, Innovation, and Leadership (DALI) Lab, Hanover, NH — **September 2016 – Present**
Developer, Core Team Member
- Supervise project teams to ensure quality of product and sound coding practices
- Co-authored a workshop on converting a designer's vision into a realized web application
- Contributed to a gamified protein visualizer built in Unity, with no prior knowledge of the engine
- Mentor individual aspiring web developers on skills within the web stack

The Science of Human Circumvention of Security (SHUCS) Team, Hanover, NH — **June 2017 – August 2017**
Researcher, James O. Freedman Presidential Scholar
- Managed a micro-web simulation in Python and Django (self-taught) written by multiple contributors
- Coordinate experiments to examine password choices using Amazon's Mechanical Turk interface
- Advance new ideas for analyzing password behavior to team of researchers at universities around the country

Dartmouth College Department of Music, Hanover, NH — **January 2017 – June 2017**
Teaching Assistant, Music 1 (Beginning Music Theory) and Music 20 (Introduction to Music Theory)
- Instructed weekly ear training labs to complement and reinforce the material studied in the main class
- Led students with little to no prior ear training experience through a two-semester program condensed into ten weeks
- Assisted students as needed outside of class, to augment aural skills and overall musicianship
- Charted curriculum from scratch, with a special focus on melodic and rhythmic dictation

PROJECTS & RELEVANT COURSEWORK

Mafia, *CS 52 (Full-Stack Web Development)* — **Spring 2017**
- Online game emulating the party game, Mafia; made with React.js, Redux, Express, MongoDB, and Socket.io
- Deployed with Webpack to GitHub, Surge, and Heroku using Travis CI

Protein Builder, *DALI Lab* — **Fall 2016 – Summer 2017**
- Protein construction visualizer, based on research in molecular biology; in Unity/C# with Flask backend

TinyAuth, *Personal* — **Summer 2017**
- A small webapp to play around with authentication; made with Passport.js, bcrypt, Sequelize, Express, and EJS

LEADERSHIP & SERVICE EXPERIENCE

Zeta Psi Fraternity, Psi Epsilon Chapter, Hanover, NH — **June 2017 – August 2017**
Community Service Chair
- Organize volunteers for events throughout the term, contributing time and manpower to multiple causes
- Accrued over 30% of total expected annual fundraising for the fraternity's main charities in a single quarter

Dartmouth Youth Wind Ensemble, Hanover, NH — **January 2016 – March 2017**
Mentor, Percussion
- Teach middle-school percussionists important technical and listening skills, adjusting teaching style to each student
- Collaborate with another mentor to plan masterclasses and divide attention evenly among students
- Enabled students to play a live concert of repertoire far above the middle-school level

SKILLS & INTERESTS

Skills: Full-Stack Web (JS, React, Redux, HTML, CSS, Express, Node.js, MongoDB), Java, C, Bash, Git, Unity/C#
Additional Interests: Music Composition, Set Drumming, Clean Energy