NICHOLAS R. EGAN

nicholas@egansoft.com | 415.272.7675
Massachusetts Institute of Technology '19 | San Francisco University High School '15

COMPUTER SCIENCE/TECHNOLOGY

CEO and FOUNDER, **Egansoft (egansoft.com)** (Jan 2010 – Present)

➢ **Software Projects**

- **Showy** (beshowy.com): a site that lets you play your presentations on the device of everyone in your audience.
- **Physics Sketchpad**: a physics simulation app for Android devices, available on the Google Play App Store
- **Text Inflator** (www.textinflator.com): a program that expands the length of a block of writing
- Developed other Android applications including **RealRandom**, **Gravity Ball**, and **Ad Gallery**, available on the Google Play App Store

➢ **Web Development**

- **qualityinnmontereybay.com/econolodgeseaside.com:** Revamped website to improve the company's marketing program and increase revenue
- **ciseeducationfund.org:** Developed a website for a charity that provides assistance to underprivileged students pursuing technology degrees
- **teclawoffices.com:** Worked with Cooper Law to design and develop a site that provides an overview of their business and areas of expertise
- **marinyouthcourt.org:** Worked with an organization that gives juvenile misdemeanor offenders a second chance to make a site that can reach volunteers, sponsors, and troubled youth

HACKATHON PROJECTS

- **LA Hacks 2015:** Developed Auditionr, a site that allows directors of plays or movies to find actors for their productions through online group auditions
    - Winner of Best Use of Respoke API prize
- **HS Hacks II:** Developed Znapper, a cross-platform mobile game that lets you have category based selfie battles with friends
    - Winner of Most Creative grand prize
- **LAUNCH Hackathon 2015:** Made Brain Hacks, a cross-platform mobile application that measures the mental impairment of people who are tired, intoxicated, or concussed in comparison to their baseline through simple tests
    - Available on the Google Play App Store, and coming soon to iOS

*RESEARCH INTERN***, Massachusetts Institute of Technology (MIT)** (June 2014 – Present)

- Assisted Professor Randall Davis in the Multimodal Understanding Group at the MIT Computer Science and Artificial Intelligence Laboratory; focused on software to enable natural interaction with information
- Used sketch-based software to facilitate the analysis of psychological clock drawing tests

PRODUCT DEVELOPMENT INTERN, Product Development Team, **HyTrust, Inc. (hytrust.com)** (Jun–July 2013)

- Responsible for Java code included in company's HyTrust Appliance 3.5 product, shipped in August
- Participated in final quality assurance testing and fixed bugs prior to product shipping

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SCHOOL LEADERSHIP AND OTHER ACTIVITIES

STUDENT COUNCIL TECH LIAISON, San Francisco University High *(12)*
- Elected by Student Council to provide technology solutions to University High Students

FOUNDER and PRESIDENT, **Hack Club,** San Francisco University High (11, 12)
- Founded club to bring together students interested in software development
- Developed web-based tools for Western Civilizations and Chemistry II courses, promoted by teachers as a learning aid for students. The tool for Western Civilizations simulated the challenging listening portion of tests, and the Chemistry II tool generated calorimetry problems.
- Created online tool to track class participation that was used by the teachers of Western Civilizations
- Collaborated in conceptualizing ideas for software applications and developing them as a team at hackathons

Egansoft Technical Support and Computer Education
- Provided technical support for setting up new computers, establishing home networks, and diagnosing computer issues
- Tutored a 3rd grade student with dysgraphia (learning disability resulting from difficulty in expressing thoughts in writing) to use his computer as a writing tool to overcome his handicap

EDUCATION

Massachusetts Institute of Technology (MIT), Cambridge, MA (Starting August 2015)
Expected graduation: June 2019

San Francisco University High School, San Francisco, CA (2011 – 2015)
Expected graduation: June 2015
- AP Scholar with Distinction (2014)
- National Merit Commended Scholar Award (2013)

Harvard Summer School (SSP), Cambridge, MA (Summer 2014)
- Course: *Dynamic Web Applications*
- Course: *Introduction to Theoretical Physics*

California State Summer School for Mathematics & Science (COSMOS), UC Santa Cruz (Summer 2012)
- Course: *Cryptography* and *Number Theory*

Stanford University Education Program for Gifted Youth (EPGY) — Summer Institutes (2009-11)
- Course: Web-Based *Honors Pre-Calculus with Trigonometry*, distance program (Summer 2012)
- Course: *Java and Robotics* (Summer 2011)

Technical Skills: Java, JavaScript (AngularJS, Node.js, jQuery, Ionic, Express.js), PHP (Laravel), Ruby, ActionScript, SQL (MySQL), HTML5/CSS3, Shell (UNIX, MS-DOS); Familiar with C/C#/C++, Python