NICHOLAS R. EGAN

nicholas@egansoft.com | 415.272.7675
Massachusetts Institute of Technology '19

COMPUTER SCIENCE/SOFTWARE DEVELOPMENT

FRONT END ENGINEERING INTERN, **Drawbridge** (June 2015 – August 2015)
- Responsible for building cutting-edge, highly interactive user interfaces and contributing to design, implementation, and code reviews

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

CEO and FOUNDER, **Egansoft (egansoft.com)** (Jan 2010 – Present)
➢ **Software Projects**
- **Showy** (beshowy.com): a site that lets you play presentations on the device of everyone in an audience
- **Physics Sketchpad**: a physics simulation app for Android devices, available on 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.

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EDUCATION

Massachusetts Institute of Technology (MIT), Cambridge, MA (Starting August 2015)
- Expected Graduation: 2019
- Expected Major: Computer Science and Engineering (6-3)

San Francisco University High School, San Francisco, CA (2011 – 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: *Java and Robotics* (Summer 2011)

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

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