13 Concord Ave, Belmont, MA,   **Barry Eom (Byuri)**   (617) 932 - 9875 | b.eom@tufts.edu

EDUCATION

Tufts University, Medford, MA   May, 2020
BS: Computer Science, Cognitive and Brain Sciences   **GPA:** 3.8 / 4.0 | **SAT:** 1550/1600 (M800, E750)
Honors: Dean's List, Kevin J. Fitzgerald Scholarship, Scholastic Gold Key Award, Town of Belmont Scholarship

EXPERIENCE

Integrative Cognitive Neuroscience Lab   **Medford, MA**
Tufts University, Research Associate   February, 2017 – Current
• Authored a paper publication to a scientific journal about a research on VTC and mind-wandering; detail below
• Formulated and executed a research to pioneer the standardization of mind-wandering, a crudely subjective state of mind, by mapping correlation through VTC (Variance Time Course) analysis via MATLAB and Python scripts

TAMID Group   **Medford, MA**
Tufts University, Consulting Project Manager, *Vice President & Cofounder*   *November, 2016 – Current*
• Orchestrated a consulting team for a consulting project with CureFacts, an online medical resource startup, to give our client a competitive edge over the likes of WebMD and Healthgrades – via industry analysis and market research
• Lead weekly education seminars about the cornerstones of consulting expertise and various Harvard Business Review Case Studies; and organizing TAMID related events – e.g. Startup Nation Tech Fair & Pitch Competition

Human Computer Interaction Lab   **Medford, MA**
Tufts University, Research Assistant   September, 2017 – Current
• Investigated methods to implicitly prevent individuals from mind wandering via music by identifying FNIR cursors to investigate mind wandering levels, relaying auditory signals to subjects in a superficially unnoticeable method

Tokyo University   **Tokyo, Japan**
Tokyo University of Agriculture & Technology, Field Researcher   June, 2016 – July, 2016
• Documented and supervised the collection of field samples to examine contamination levels in the Andong, South Korea to investigate the regional environmental pollution committed by Poongsan Corporation

Harvard University Chemical Biology Department   **Cambridge, MA**
Shakhnovic Research Group, Intern/Research Associate   June, 2015 – August, 2015
• Pioneered and discovered one of the causations for protein toxicity by creating a framework and executing a research plan to investigate the effect of protein toxicity in events of excess protein in the molecular level

SKILLS, PROJECTS & INTERESTS

Technical Skills: C, C++, Python, Java, MATLAB, HTML / JavaScript
Skills: Statistical/data analysis, Google Analytics, consulting, business analysis, market research, project management, strategic programming, public speaking
Languages: English, Korean, Japanese (all fluent)
Interests: NFL & MLB statistics, soccer, cooking, classical music, poetry, philosophy of mind

Projects:
• **Image Compression Program** – implemented an image compression and decompression program in C
• **Punto Art Museum** – implemented Flask/Firebase database for a map-based phone application (on app-store)
• **Castle Storm** – created a multiplayer cloud based game for by setting up the game architecture
• Created a head movement based game in JS

LEADERSHIP, ACTIVITIES & MISC. EXPERIENCE

• *Coffeehouse for a Cause*, *Founder & former Director* – Founded, established, and directed a town-wide annual charity event that has raised $15,000 for the homeless community in the Greater Boston Area
• *Leonard Carmichael Society*, *Executive Coordinator* – Lead LCS, an organization with 30+ community service based clubs with 1200+ members, by coordinating biannual fundraising events for nonprofit, charity based organizations, organizing LCS related online-based data, and managing administrative operations within LCS
• *Tufts University Department of Computer Science*, *Teaching Assistant* – Held office hours to assist students in homework projects and teach programming skills as well as leading weekly laboratory sessions
• *Tufts University Undergraduate Admissions*, *Customer Service Assistant* – Managed and organized database information pertaining to Tufts University admissions for prospective students
• *JumboCode*, *Project Associate* – Created an accessible map based phone application for Punto Art Museum, Salem's Point Neighborhood based art organization