Tyler Lin

Ellicott City, MD
github.com/tytot

(443) 766-2143 (cell)
(410) 465-8678 (home)
tylerhlin@gmail.com

Objective

Inquisitive and motivated rising senior with interest and experience in software engineering.

Education

- **Centennial High School** — Howard County, MD
  Computer Programming Career Academy — *Aug. 2017 - Present*
    - **Relevant Courses:** Principles of Java Programming, Comp. Sci. A, Advanced Object Oriented Design, Calc. AB, Calc. C/Multivariate Calc., Linear Algebra, Discrete Mathematics, Intern/Mentor
    - **Extracurriculars:** National Honor Society (Bylaws Subcommittee), Science NHS (Coordinator), Math Team, Math Journal (Author/Editor), Future Business Leaders of America, Varsity Tennis, Coding Club (Co-Captain)
    - **Awards:** QuHacks 2019 2nd Place Winner, FBLA Regional Winner for Sports & Entertainment Management, AMC 12 School Winner, 3x AIME Qualifier

Skills

Languages: C#, Java, Javascript, Dart, LaTeX

Tools: Git, Github, Unity, Bash, Microsoft Office, Google Suite

Other: Certified Chesapeake Bay Landscape Professional Apprentice (CBLP-A); possess professional skills and knowledge in sustainable landscape design, installation, and maintenance.

Projects

The Monster's Memory Center (2017) A website that portrayed the events of Mary Shelley's *Frankenstein* through visuals and text – *Won 2017 MD Society of Educational Technology Award for Multimedia*

Mathematics in Basketball (2019) An article for my school's math journal which investigated how to maximize the theoretical efficiency of a basketball team

Needle Exchange System (2019) An interoperable health system that obtains status updates from needle exchange workers via text, which are then synced with a website and pushed to a health worker registry to be queried

Bubble Fishing (2020) A mobile game on the iOS App Store programmed in C#

Experience

Science NHS — Ellicott City, MD
Coordinator — *Sep. 2020 - Present*
- Help administrate and organize the society
- Provide volunteer opportunities for members to participate in to earn credits

WebPoint — Ellicott City, MD
Lead Designer — *Apr. 2020 - Present*
- Create and guide the creation of mockups of websites and apps for clients' organizations

Johns Hopkins APL — Laurel, MD
ASPIRE Intern — *Sep. 2019 - Present*
- Design an electronic needle exchange system to combat global health inequalities
- Program mediators to faciliate and authorize the transfer of data between various electronic health services

H.C. Health Department — Howard County, MD
Intern — *Jun. 2019 - Jan. 2020*
- Wrote articles twice a month for the *teenhealthmatters.com* blog
- Focus on topics relevant to teenagers, such as distracted driving, sleep awareness, and more

Howard EcoWorks — Howard County, MD
READY Crew Member — *Jun. 2019 - Aug. 2019*
- Worked with other crew members to construct and maintain rain gardens and conservation landscapes around Howard County
- Engaged in other environmental work such as tree plantings, invasive removals, and stream clean ups

Miller's Grant — Ellicott City, MD
Assisted Living Volunteer — *Oct. 2018 - Oct. 2019*
- Assisted the elderly with various activities ranging from using the gym to playing bingo