THOMAS S. BRAUN

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EDUCATION

Amherst College, Amherst MA – GPA: 3.8/4.0   Expected Graduation May 2022
- Bachelor of Arts with dual major in Computer Science and History with a focus in National Security
- Selected by Computer Science Department as Teaching Assistant for Computer Systems and peer tutor
- Relevant Coursework: Object-Oriented Programming 1 & 2, Computer Systems, Intro to Statistics, Electronic Systems, Technology and National Security, Data Structures, Programming Language Paradigms, Fall 2020, Computer Algorithms, Machine Learning
- Stanford University CS 193p – Developing apps for iOS

Latin School of Chicago, Chicago IL – GPA: 3.93/4.0   June 2018
- Editor-in-Chief and webmaster of student-run foreign language blog, *Worldly Roman*

EXPERIENCE

WayToStay   **Software Engineer**   Summer 2020
Built software capabilities and developed marketing strategy to attract new customers as intern for Tel Aviv based start-up offering online cultural experiences and remote team building activities.

ThinApp   **Software Engineer**   Summer 2020
Worked with Chicago based start-up to develop bespoke iPhone and Android app solutions for small businesses and restaurants nationwide to help facilitate online ordering and social distancing during COVID-19.

Rebellion Research   **Intern**   Summer 2020
Researched, authored, and edited articles for publication on trends in technology ranging from the impact of AI and NLP to advances in car engine technology. Conducted interviews with academics and leaders in the finance and technology sectors on diverse topics such as the impact of AI in the modern age. Articles averaged over 75k views month.

Amherst College Emergency Medical Services (ACEMS)   **EMT**   January 2019-Present
Selected through competitive process for intensive Emergency Medical Technician (EMT) training to become nationally certified EMT. Selected to join College EMT Squad. On call for weekly 12-hours shifts as a first responder to all medical 911 calls on campus.

Amherst Men's Club Soccer Team   **Treasurer**   May 2019-Present
Elected Treasurer by teammates. Responsible for creating budget, obtaining financing from College, collecting dues, and designing gear. Work with school administrators and student government to manage team finances.

UChicago–Chicago Project on Security and Threats (CPOST)   **Analyst**   Summer 2019
Used **Tableau** and **MS Access** to collect and analyze data on suicide attacks worldwide; contributed work to largest database of suicide attacks. Collaborated with professors and students to incorporate data into article analyzing trends in suicide terrorism, published in U.S. Army War College Strategic Studies Institute *Parameters Magazine*.

Boy Scouts of America (BSA), Troop 1   **Eagle Scout**   2010-2018
Earned highest rank of Eagle Scout, held various troop leadership positions. Elected Venture Crew President (2015-2018).

PROJECTS

Spellcheck
Coded fully functional spellcheck engine in **Java** utilizing a **Trie** data structure. The engine returns alternate spellings and anagrams of inputted strings using prefix-based spellchecking and by checking the difference between inputted string and 'correct' words in database. Uses a variety of 3rd party libraries and interfaces.

Cup Pong
Coded an interactive game in **Java** where the user controls the mouse and keyboard to play the computer in a game of traditional 10-Cup Pong. Game incorporates various 3rd party libraries and includes graphics and animations.

Iris: A Color Matching Game
Created a game on **iOS** and **MacOS** where the user is shown two rectangles and attempts to match the color of the first square to the second square using RGB sliders. Written in **Xcode** using **Swift** and utilizes the **SwiftUI** framework for the graphical components. Beta tested through **TestFlight** and submitted to the **Apple App Store**.

SKILLS

- English and French Native Fluency, Spanish Proficiency
- Proficient in Java, Swift, and Python; Experienced in C, C++, Python, x86 Assembly, ProLog, Haskell, Ruby, Go, JavaScript, SwiftUI, UIKIT; Knowledgeable in use of Tableau, Adobe Premiere Pro, Lightroom, After Effects, Photoshop, MS Office, Git