

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
- Work on Drones and Terror Groups [published in United States Air Force Air University Journal](#).
- 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, 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

Microsoft

Software Engineer Intern

Summer 2021

WayToStay

Software Engineer Intern

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 to customers across the globe.

ThinApp

Software Engineer Intern

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 pandemic.

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 100k 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; Exposed to C, x86 Assembly, ProLog, Haskell, Ruby, JavaScript; Knowledgeable in use of SwiftUI, UIKit, Xcode Tableau, Adobe Premiere Pro, Lightroom, After Effects, Photoshop, Git
- Interests: Skiing, Scuba Diving, Cars, Camping, Photography, FPV Drone Building/Flying