

Dylan Mace

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EDUCATION

Atlanta, GA	Georgia Institute of Technology	August 2019 – May 2023
<ul style="list-style-type: none">Bachelor of Sciences in Computer Science concentrating in Human-Computer Interaction and Artificial IntelligenceMajor GPA: 4.0, Overall GPA: 3.92		

EXPERIENCE

Technical Intern Senior	Collins Aerospace	June 2020 – August 2020
<ul style="list-style-type: none">Researched ML/AI ethics and developed an ethics framework used by Collins Aerospace to vet potential project ideasAssisted on multiple proprietary artificial intelligence projects		
AI Engineering Intern	Collins Aerospace	May 2021 – August 2021
<ul style="list-style-type: none">Created extension of Nvidia's StyleGAN neural network for use in generating multiple types of synthetic images based on user inputTrained LSTM BERT neural network for sentiment analysisConstructed profanity detection heuristic designed to catch commonly-missed edge casesDesigned and deployed RESTful API for free-form text validation and NSFW detection		

PROJECTS

Full Stack Developer	Georgia Tech Ice Hockey	September 2019 – August 2020
<ul style="list-style-type: none">Constructed UI/UX for news article, team roster, and game detail screensImplemented login flow and API data retrieval for all screensConverted backend database from Firebase to MongoDB for increased speed and flexibility		
Creator, Full Stack Developer	Boards	May 2021 – Present
<ul style="list-style-type: none">Prototyped and designed entire UI/UX using SwiftUILeveraged Firebase for secure upload and retrieval of dataImplemented universal app support for iPhone, iPad, and Mac		

ACTIVITIES/ORGANIZATIONS

Organization Member	Georgia Tech iOS Club	September 2019 – Present
<ul style="list-style-type: none">Strengthened key iOS app development (Swift) and design skillsProduced sample applications to improve understanding of Swift and third-party libraries such as CoreData and Google Firebase		
Assistant Rush Chair	Delta Tau Delta Gamma Psi	March 2021 – Present
<ul style="list-style-type: none">Developed a new recruitment process to maximize new member interestIncreased recruitment success by developing new yearlong recruitment plan		

SKILLS AND TECHNICAL EXPERIENCE

Coursework: Data Structures and Algorithms, Objects and Design, Machine Learning (Fall 2021), Intro to Artificial Intelligence (Fall 2021), Algorithm Design (Fall 2021), Computer Vision, Computational Ethics

Technical Skills: Swift/SwiftUI, Python, Java, HTML/CSS/JavaScript, UI/UX Design, Data Structures, Algorithm Design, Git/GitHub, OpenAPI Spec Sheet Creation

Business Skills: Project/Time Management, Leadership, Problem Solving, Teamwork, Public Speaking, Conflict Resolution