WILL SAID

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EDUCATION

Georgia Institute of Technology | *4.0 GPA* *August 2017 – May 2020*

- Awarded the Zell Miller Full-Tuition Scholarship to pursue a B.S. in Computer Science concentrating in Artificial Intelligence

Druid Hills High School | *4.0 GPA* *August 2014 – May 2017*

- Georgia State University for 3 semesters (4.11 GPA, President's List), Georgia's STAR Student Award for highest SAT and GPA

TECHNICAL SKILLS

- *Preferred Languages:* Java, Swift, Python, C
- *Technologies:* iOS, AI and Machine Learning, Flight Software, Unix shell scripting, SQL and NoSQL databases, Network Protocols, Web development, Android, Arduino microcontrollers, Assembly programming, API integration, UI/UX, Git VC

PROFESSIONAL EXPERIENCE

MealMe | *Cofounder and CTO* *February 2018 – Current*

- Leading software development at MealMe, the social app for food that integrates restaurant discovery, delivery, and booking
- Built the iOS app in Swift 4 using AI for food discovery, a real-time NoSQL database for storage, and REST API calls through paid partnerships with Postmates delivery and OpenTable reservations in order to add functionality to the social media for food
- 1st place winner of Georgia Tech's annual iOS Demo Day, startup member of Emory University's Entrepreneurial Excellerator, and the Goizueta Business School's Pitch the Summit Competition Finalist

Generation Orbit | *Avionics and Flight Software Intern* *August 2018 – Current*

- Developing flight software for the X-60A Hypersonic Rocket, the US's newest X-plane, to air-launch into space at over Mach 5
- Writing scripts in Python to pass radio telemetry data between rocket nodes during flight
- Performing machine learning and data manipulation on multi-dimensional Mach, Alpha, and Beta interpolations
- Implemented a LAN bridging application and packet forwarder to stop packet flooding throughout the X60A network

Augusta University

Program Manager *August 2018 – Current*

- Directing over 60 engineers in the technical design and implementation of iOS, Android, and Web apps for childhood literacy
- Scaled the number of engineering teams under management from 1 to 10, increased the number of software applications from 3 to 12, and expanded overseas to India and Vietnam

Software Engineer *May 2018 – August 2018*

- Developed ***Brainy Phonics***, a children's game that teaches phonetics with illustrations, children's voices, and animated text
- Increased a group of 459 at-risk kindergarten students' literacy scores from the 27th to 47th percentile; 3 years later, these same students failed less than half as often as their peers, 7.6% vs 16.13%
- Coded ***Brainy Phonics*** in Swift with Xcode and deployed to the App Store *(App Store Link)*

CodeMettle | *Software Engineer CO-OP* *May 2018 – August 2018*

- Spearheaded implementation of Satellite software for Network Management Systems
- Shipped code to Bell TV and the US Army for device translators coded in Python that orchestrate satellite firmware over SNMP
- Wrote automation scripts in Python and the Unix shell that polled network devices and then displayed that data on Web UI's

SELECTED PROJECTS

Mideo | *App Store Link* *March 2018 – Current*

- Pioneered a technology for iOS in Swift that records video without pausing music, essential to lifters, dancers, and other athletes
- Initially received less than 3 downloads a day on the App Store; following a 100% free and comprehensive marketing campaign the app acquired 11,700 users the first day, and now has thousands of daily users who record over 240 hours of video every day
- Ranked Top 100 on the App Store and generates thousands of dollars every month

Barbell Loader | *App Store Link* *November 2017 – Current*

- Optimized training for athletes with this iOS app that computes weightlifting math for you
- Implemented the world's first reversible Sinclair and Wilks calculator along with conversions, optimizations, rep maxes, percentages, and customizations for loading the bar and tracking progress

Investing Bot *July 2018 – Current*

- Architected, developed and implemented a Python CLI that performs Quantitative Financial Analysis to construct Stock predictions and Portfolio optimizations with Machine Learning intelligence using SciKit-Learn, NumPy, Pandas, and TensorFlow
- Provided example usages of the application such as finding the top 20 stocks to buy in the S&P 500, optimizing the Dow Jones or a custom portfolio's percentage allocations using stock covariance, and forecasting analysis for stocks over several time intervals

willsaid.com *June 2018 – Current*

- Created this personal website on a Raspberry Pi at home using Apache Web Server and port forwarding with source in JavaScript

ShelterMe | *Group* *January 2018-May 2018*

- Collaborated on this Android app to provide nearby bed/shelter reservations for the homeless, completed for an OO Design Class

EXTRACURRICULARS

Georgia Tech iOS Club | *President* *August 2018 - Current*

- Coordinate the curriculum, teach technical demos, direct officers to give weekly lessons, orchestrate club events, and aid members

Team USA Weightlifting | *Athlete* *June 2014 - Current*

- Placed 14th at Nationals, ranked 2nd in the USA in my category, and train several hours a day