

Nicholas Paul Chaloult

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Education

- August 2017 – **Georgia Institute of Technology, Atlanta, GA.**
May 2021 (Expected)
 - Candidate for Bachelor of Science in Computer Science
 - Threads: Intelligence, Info & Internetworks
 - GPA: 3.90/4.00
 - Major-specific GPA: 4.00/4.00

Experience

- May 2019 – **Software Engineering Intern, DataScan, Alpharetta, GA.**
Present
 - Established pattern for new REST API endpoints that perform lightweight existence/authorization checks for subresources
 - Helped move descriptions that clients customize from Oracle to an in-memory cache as a primary means of access
 - Discovered and addressed multiple situations where, when searching by search criteria, particular criteria could not be omitted

January 2018 – **Rise Up Undergraduate Assistant, College of Computing, Georgia Institute of Technology, Atlanta, GA.**
Present
 - Lead weekly webinars and monthly in-person sessions, explaining and demonstrating fundamental computer science concepts to Georgia high school students
 - Helped organize and run the 2018 and 2019 AP Bowl, during which over 300 Georgia high school students took a mock AP Computer Science exam

Personal Projects

- Ongoing **Kindling, Web Service.**
A home for "first Tinder message" ideas that disappear after twelve hours
 - REST API written in Go communicates with Postgres database to perform basic CRUD operations for message suggestions
 - "Cron job" runs periodically, purging all message suggestions older than twelve hours from the database
 - Message suggestions may be upvoted, downvoted, and flagged as inappropriate**Friendly Competition, Web Application.**
Compares a League of Legends player's recent in-game performance with that of their friends.
 - Manages multiple, asynchronous calls to the Riot Games REST API, then aggregates and computes comparative statistics
 - Express back-end exposes one endpoint for React front-end to consume

Ongoing **Medicine Cabinet, iOS Application.**
Keeps track of what medications the user is taking, and informs them when they may have another dose of any particular medication.
 - Uses Core Data to persistently store medicine descriptions and dosage information
 - Sets background timers with Grand Central Dispatch, and notifies user when a timer expires with a local notification

Skills and Attributes

- Languages Java, Python, JavaScript, Go, C, Swift, HTML, CSS
Frameworks and Libraries React, Spring, Express
Tools and Technologies Git, Docker, Markdown, \LaTeX , Postgres
Relevant Coursework Data Structures and Algorithms, Analysis of Algorithms, Intro to Artificial Intelligence, Game AI, Intro to Information Security, Object-Oriented Design, Object-Oriented Programming, Operating Systems and Networks, Computer Organization, Intro to Database Systems