

MATTHEW KAUFER

(703) 899-3205 | mjkauf@gatech.edu | <http://kauferr.org> | <http://github.com/mjkauferr>

EDUCATION

Georgia Institute of Technology (Georgia Tech), *Atlanta, GA, U.S.A.* August 2016 – Expected May 2019

- Candidate for B.S. in Computer Science
- Concentrations in Intelligence & Devices
- Major GPA: 4.00/4.00

SKILLS

Programming Languages: Java, JavaScript, Python, HTML, PHP, C#

Frameworks & Libraries: Android, Node.JS, React, MongoDB, Meteor, three.js, Handlebars, SVG

Spoken Languages: Proficient in German

EXPERIENCE & QUALIFICATIONS

WORK

HackGT Tech Team, *Atlanta, GA, U.S.A.*

November 2016 – Present

- Created technologies to power Georgia Tech's hackathon, HackGT
- Lead workshops at events to teach college students to code

Software Engineering Intern at nclud, *Washington D.C., U.S.A.*

June – August 2015

- Designed & developed websites for clients such as NASDAQ and the Marine Corps Marathon
- Created internal projects to facilitate software development
- Built a static site compiler used in NASDAQ's mobile app

Co-Founder, Co-President at Dev Club, *Alexandria, VA, U.S.A.*

September 2014 – May 2016

- Founded a club revolving around teaching web technologies at TJHSST
- Taught advanced programming topics to students
- Created partnerships with companies to obtain hardware and other tools to program with

PROJECTS

Emoodji

October 2015

- Made a tool to recognize emotions of users via a webcam
- Mapped an emoji over the user's face in real time to display their current emotion
- Designed to help patients with autism better recognize emotions of others

MyoThreeArm

September 2015

- Developed a wave categorization algorithm to interpret muscle movements from an EMG
- Created a virtual arm with three.js to connect to the algorithm, functioning as a virtual prosthetic
- Tracked unique gestures ranging from a closed fist to letters in sign language

Meta Drone

January 2015

- Created a drone control system with Meta Glasses, a powerful augmented reality platform in beta mode
- Allows users to control the altitude, pitch, and yaw of an AR.Drone 2.0 using their hands
- Data displayed on holographic HUD

Mongit

October 2014

- Designed a command-line tool which lets users manipulate comments on Reddit.com as a database
- Allows users to leverage Reddit's massive servers to store their own encrypted data as JSON NoSQL