

# Markian V. Hromiak

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www.github.com/MHromiak

## EDUCATION

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### Georgia Institute of Technology, Atlanta, GA

- Candidate for Bachelor of Science in Computer Science
- Georgia Tech Provost Scholar

August 2016 – Present  
Expected graduation 2020  
Cumulative GPA 3.44

## PROJECTS

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### FaceOff App

September 2018

- Structured and built full-stack facial recognition Android app in hackathon as both a game and source to train convoluted neural networks

### DrivingForce App

January 2018

- Designed web app in hackathon giving a platform for volunteers to communicate with homeless shelters and schedule package deliveries for the homeless populations
- Created HTML/CSS interface with Angular5 and linked to a Firebase database

### Architecture and Virtual Reality VIP

January 2018 – May 2018

- Designed and modeled a museum with a team of architects and computer scientists
- Reconstructed buildings around Georgia Tech's campus with Autodesk Maya
- Worked with Unity 7 and lighting in virtual reality

### The Black Hole-Hydrogen Mass Proportion Ratio, PARI, North Carolina

June 2013 – July 2013

- Researched supermassive black holes with astrophysicists in a field setting
- Controlled a radio telescope and performed hydrogen scans on supermassive black holes

## SKILLS

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### Computer Languages:

- Proficient in Python, Java; experience with Linux (Ubuntu, Debian), C, HTML & CSS, Angular5, Haskell

### Software:

- Autodesk Inventor certified; Android Studio, IntelliJ, Spyder, Maya, LaTeX

### Spoken Languages:

- Intermediate French; basic Mandarin and Ukrainian

### Relevant Courses:

- Objects and Design, Computer Organization and Programming, Intro to Knot Theory
- Combinatorics, Data Structures and Algorithms
- Intro to Object-Oriented Programming, Probability and Statistics

Fall 2018  
Summer 2018  
Spring 2018

## AWARDS AND HONORS

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- Georgia Tech COC 'Make a Difference' Hackathon 2018 – runner-up
- University Physics Competition – silver medal
- University Physics Competition – bronze medal

January 2018  
November 2017  
November 2016

## CAMPUS INVOLVEMENT

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- Safety Officer of the Georgia Tech Climbing Club
- Member of the Georgia Tech 'Big-O' theory club
- Member of the Georgia Tech Linux Users Group
- Member of the Georgia Tech chapter of the Society of Physics Students

August 2018 – Present  
January 2018 – Present  
October 2017 – Present  
August 2016 – Present