

# Gabor Siffel

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Master's student in Computer Science

## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA  
*Master's in Computer Science*

*August 2019 – December 2020*

- **Concentration:** Computing Systems

**Georgia Institute of Technology**, Atlanta, GA  
*Bachelor of Science in Computer Science*

*August 2015 – December 2018*

- **Threads:** Systems & Architecture and Intelligence
- **GPA:** 3.54/4.0

*Merit Scholarship Recipient*

## EXPERIENCE

**Software Engineer at Facebook**, Menlo Park, CA

*February 2019 – July 2019*

- Implemented TLS client authentication in an internal app on Android to have feature-parity with iOS
- Created error data collection mechanism to catch issues early and ease the debugging process
- Increased internal network security by increasingly enabling employees to use TLS mutual authentication
- Interacted with end-users to learn about issues/bugs they experienced and work on a fix
- Implemented TLS mutual authentication to internal Facebook networks from Chromebook devices
- Created new virtual IPs with different server setups for handling certain types of connections separately

**Software Engineer Intern at Facebook**, Menlo Park, CA

*Summer 2018*

- Developed a client authentication system for an iOS app using OpenSSL and certificates
- Worked with technologies such as Objective-C/++, React Native, Hacklang, and Buck
- Communicated with several other teams to gain the knowledge and context necessary for the project

**Software Engineering Intern at Dropbox**, San Francisco, CA

*Summer 2017*

- Full stack web project for Dropbox Paper that addressed consumers' needs regarding document ownership
- Worked with Typescript, React, and SQL databases
- Coordinated with fellow engineers to create the design and gain understanding of challenges

**Webmaster, Hungarian Community Church of Georgia**, Roswell, GA

*2013 – Present*

- Develop and maintain several websites using web development technologies that greatly improved the visibility and communication of the organization; optimized websites for cross-browsers compatibility (volunteer work)

**Volunteered at Major League Hacking's LocalHackDay at Alpharetta High School**

*October 2015*

- Hosted an introductory talk on creating static HTML and CSS websites

## SKILLS

**Programming languages:** JavaScript, Typescript, Java, Python, C/C++, Hack, PHP, HTML, CSS, LaTeX, Objective-C/++

**Software:** git and GitHub, development toolchains / build tools, Eclipse and other IDEs, Node.js, Office, Photoshop

**Languages:** Fluent in English and Hungarian

**Professional:** Critical thinker, detail-oriented, responsible, quick learner

**Music:** Singing, ten years of piano

## PROJECTS

**Sound Transfer**, SwampHacks 2017 Hackathon, Gainesville, FL

- Developed the backend of an iOS app that communicates short messages or small bitmap images by converting the byte-data into tones picked up by the microphone of receiving devices
- Overcame challenges dealing with background noise and device timing synchronization

**Piet Interpreter**

- Implemented an interpreter (written in Python) for Piet (an image based, experimental programming language)
- Learning experience and exploration of interpreters

**bundle-js**

- Realized and filled a need for a Node.js package that allows developers to easily bundle their JavaScript code into a single compressed JavaScript file for efficient deployment on webpages

**FileRenamer**

- Designed and developed a Java desktop application that renames files in bulk
- Helps user organize files quicker by providing custom filters and pattern replacement options

**INTERESTS**

**Georgia Tech Chorale**

*2015 – 2018*

- Member; helped the choir learn a Hungarian language piece

**Georgia Tech RoboJackets**

*Fall 2016*

- Learning about AI and robotic systems as a member of the RoboCup robot soccer team

**Georgia Tech WebDev Club**

*Fall 2015*

- Learned about various types of web/JavaScript APIs and their capabilities

**Further interests**

- Programming languages, the development process, parsers and compilers, linguistics
- Artificial intelligence and neural networks
- Higher mathematics and advances in the field