

# Sriram Iyer

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## EDUCATION

### UNIVERSITY OF PITTSBURGH

BS IN COMPUTER SCIENCE AND  
MATHEMATICS

MINOR IN STATISTICS AND JAPANESE

Expected May 2020 | Pittsburgh, PA

Cum. QPA: 3.64

Dean's List (F16, S17)

## LINKS

GitHub: [GavinFreud](#)

Website: [gavinfreud.github.io](#)

Blog: [gavinfreud.github.io/blog](#)

## COURSEWORK

### UNDERGRADUATE

- Intermediate Programming with Java
- Discrete Structures in CS
- Data Structures
- Computer Organization and Assembly Language
- Intro to Systems Software
- Algorithm Implementation
- Honors Introduction to Analysis
- Honors Linear Algebra
- Calculus I-III

## SKILLS

### LANGUAGES

Extensive:

Java • Python • HTML/CSS

MIPS • MOS 6502

Familiar:

JavaScript • C • MATLAB • Swift

### TECHNOLOGIES

Git • Pandas • NumPy •

SciKit-Learn •  $\text{\LaTeX}$  • Android

## HACKATHONS

Pitt Challenge (Jan 2017)

Steelhacks (Feb 2017)

4th TNGL Weekend (Feb 2017)

## EXPERIENCE

### UNIVERSITY OF PITTSBURGH (CS DEPARTMENT)

RESEARCH ASSISTANT

May 2017 - Aug 2017 | Pittsburgh, PA

- Extracted raw data from Brain Computer Interfaces
- Worked primarily in **Android**

### UNIVERSITY OF PITTSBURGH (IT DEPARTMENT)

IT SUPPORT TECHNICIAN

October 2016 - Present | Pittsburgh, PA

- Provide base level IT support to non-technical personnel within the University
- Consistently maintain and upgrade hardware and software in labs and public offices

## PROJECTS

### REVERSE SNAKE

Present

- Currently working on programming a reverse game of Snake with the hopes to be able to have it run on an actual Atari 2600 cartridge
- Uses the **MOS 6502 Instruction Set**

### MERCURY

Present

- Multipurpose bot written for the Discord Voice Messaging platform to play music and to keep track of my cryptocurrency portfolio
- Written in **Python** using **Discord.py**

### NOTABLE OPEN SOURCE CONTRIBUTIONS

March 2017 - Present

- **Learn-Anything**: search engine which contains numerous publicly-created mindmaps developed to inform people on any topic (**JavaScript**, **HTML/CSS**)
- **Pitt API**: an API to easily get data from the University of Pittsburgh (**Python**)
- **PantherView**: a project between the Pitt Computer Science Club and the West Penn Regional Data Center. Essentially displays data gathered by the WPRDC onto a map for the public to view (**Javascript** and **HTML/CSS**)

## ORGANIZATIONS

### PITT COMPUTER SCIENCE CLUB

August 2016 - Present

- Student organization that holds talks, inspires projects and hosts events dedicated to bringing CS students together and improving their skills

### INFORMATION SECURITY CLUB

January 2017 - Present

- Student organization dedicated to explore topics in the fields of hacking and cybersecurity through talks and competing in Capture the Flags (CTFs)

### MATH CLUB

August 2016 - Present

- Student organization that holds talks and activities surrounding math research or topics that aren't normally covered in the normal curriculum