

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 • C • Python • HTML/CSS

MIPS • MATLAB • MOS 6502

Familiar:

C++ • JavaScript • R

Swift

TECHNOLOGIES

Extensive:

Git • Pandas • NumPy • SciKit-Learn

Comfortable:

LaTeX • SQL • 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**

IPHONE BLOG UPDATER

Present

- Working on an application for my phone which automatically informs me of new posts written on my favorite blogs
- Written in **Swift**

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