Isaac Benjamin Goss

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Education

University of Pittsburgh

August 2014 - May 2018 │ GPA: 3.5/4.0 │ Dean's List

- Bachelor of Science in Computer Engineering
- Minor in Mathematics

Experience

North American Malignant Hyperthermia Registry

November 2015 - Present │ Work Study Student

- Design of web data collection forms.
- Assist our push to move data into a new system.
- Perform basic data cleansing.

University of Pittsburgh

January 2015 - May 2015 │ Mathematics Tutor

- Supplement in-classroom learning with personal attention in Calculus classes 1, 2, and 3, and Physics 1.
- Ask the right questions so that a student can find the answer by herself.
- Answer questions that would help a student understand.

Skills

Software Development

- Developed Twitter-controlled Morse code flashlight at PittApps 2016.
- OOP paradigm with Java and Python, GUI programming using Swing.
- Use of various technologies, techniques, such as regex, algorithm analysis, git, etc.

Electronics

- Design a microprocessor to implement MIPS instruction set.
- Analysis and design with standard linear devices, diodes, op amps, and transistors.
- Use of Boolean algebra and finite state machine abstraction to describe logical circuits.

Mathematics

- Understanding of many areas of mathematics, applied and abstract.
- Tutor subjects ranging from Basic Math to Calc 3 for two years.
- "The Mathematics of the RSA Cipher" (https://pitt.edu/~ibg4/RSA.pdf)