

Timothy R. D'Avello

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Objective: Summer internship related to the mathematical or computer science field

Education: **Bachelor of Science Mathematics & Computer Science, May 2020**

Rose-Hulman Institute of Technology, Terre Haute, IN

Status: Junior (GPA: 3.87/4.00)

Related Courses: Cryptography, Computer Architecture, Software Design,
Algorithms, Operating Systems, Functions of a Real Variable,
Software Requirements Engineering, Deterministic Models

Experience: **Rose-Hulman Institute of Technology, Terre Haute, IN** Winter 19

Software Design

- Worked with 2 other group members to design and code a UML builder
- Balanced design principles to make efficient and adaptable code
- Adapted to constantly changing project requirements

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Computer Processor

- Worked with 3 other group members to design and build a processor
- Designed and integrated the stack-based processor from scratch
- Able to find Fibonacci numbers as well as read ports in and out

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Operating System

- Worked with 2 other group members to design and code an OS
- Stored the entire OS, kernel and shell, on a 2 MB virtual floppy disk
- Able to read, create, copy, and delete files, as well as list available files

Skills:

- Skilled with Java, C, C++, Matlab and Python
- Semi-fluent in German
- Experienced and skilled in soldering wires and circuitry
- Leadership and teamwork abilities

Honors: Rose-Hulman Institute of Technology Dean's List

Activities: Student's Activities Board, VP of Administration
Rose-Hulman Ultimate Frisbee Team, player
Intervarsity Christian Fellowship, member
Residence Hall Association, member