

GABRIEL C. B. FOSTER

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- Objective** | Obtain a full-time position in the field of Computer Engineering
- Education** | **Bachelor of Science, Computer Engineering** *May 2019*
Rose-Hulman Institute of Technology, Terre Haute, IN
Cumulative GPA: 3.33
- Skills** | **Computer Skills:** Xilinx Vivado, Xilinx ISE, Quartus II, Multisim, SQL Server Data Tools
Software Languages: LabVIEW, Java, C, C#, Python, SQL
Hardware Description Languages: Verilog, Chisel
- Internships** | **National Instruments, Austin, TX** *2018 May-August*
Engineering Leadership Program (ELP) Intern
- Created a comprehensive sales strategy for a top consumer electronics client
 - Engaged with technical leaders through a field sales presentation and visit to the Seattle area
 - Assisted customers to design and troubleshoot data-acquisition applications via phone and email
- Trailblazer Innovation, Bloomington, IN** *2017 June-August*
Trailblazer Intern
- Designed an innovative RFID tracking solution to repair a malfunctioning inventory locating system
 - Produced a full-stack BI database solution analyzing employee and revenue data using SQL Server Data Tools and Power BI
- Tool Solutions, Sunny Dale, IL** *2016 June-August*
Director of Tool Services
- Organized and managed the company's inventory of CNC machining tools, valued at more than \$500,000
 - Trained company technicians on new processes and managed tool services employees
- Research** | **Neuro-Processor Optimization Project** *2017-Present*
Rose-Hulman Institute of Technology
- Developed a lookup table accelerator design maximizing execution speed of the Hodgkin-Huxley model to simulate neuron activity on the RISC-V Rocket Chip
- Leadership** | **Pi Kappa Alpha Fraternity Iota Delta Chapter** *2016-Present*
Treasurer
- Drafted and managed a budget of over \$400,000 across two school years while developing and completing initiatives to increase payment collection and digitize budgeting practices
- Rose-Hulman Chess Club** *2016-Present*
President
- Restructured the club's leadership and daily operation; increased membership by 300%
- Boys Town Tutoring Program** *2014-2016*
Founder and President
- Began program to tutor orphaned students at Boys Town; after 3 years of growth, had 45 students and 24 tutors meeting twice a week

