

Nicolas Gutkowski

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Education

- B.S. in Computer Science, Virginia Tech, Blacksburg, VA Aug 2017-Present
- Expected Graduation: May 2020
 - GPA: 3.51
- Advanced Diploma, Albemarle High School Math, Engineering & Science Academy Aug 2013-June 2017

Skills

- 3 years experience with Java, 1 year experience with C
- Limited experience with Python
- Worked with Linux environments (CentOS, Debian)
- Project management
- Fluent in German

Relevant Experience

- Mentor and Data Committee Member for Galileo/Hypatia Communities, *Virginia Tech CEED*** Aug 2018-Present
- Guided six freshmen through first ten weeks, giving advice for best practices to be successful
 - Maintain web app built with Google AppMaker for users to create and sign up for events
 - Validate accuracy of relational database handling records for hundreds of individuals
 - Implement features to improve ease of use, using prebuilt graphical elements and JavaScript
 - Analyze JSON data logs using Python scripts and Tableau to determine user behavior
- Electrical Subteam Lead for inVenTs Rocketry Team, *Virginia Tech CEED*** Aug 2018-Present
- Communicate with other subteams to design and develop finished product
 - Manage team members working on software and hardware components
 - Write programs in C to log sensor data locally as well as relay to a ground station
 - Participate in NASA Midwest Space Grant High-Powered Rocketry Competition
 - Coordinate with other members to write technical reports detailing design process as well as relevant technical specifications of finished product
- Technical Support Intern, *Albemarle County Public Schools*** June 2018-Aug 2018
June 2017-Aug 2017
- Repaired laptops by replacing components, e.g. motherboards, keyboards, displays, etc.
 - Imaged existing new and existing computers
 - Verified inventory of existing hardware and inventoried new hardware
- Electrical Subteam Member for inVenTs Rocketry Team, *Virginia Tech CEED*** Aug 2017-May 2017
- Write programs in C to log sensor data and control servo motors based off preset instructions
 - Participate in NASA Midwest Space Grant High-Powered Rocketry Competition
 - Coordinate with other members to write technical reports detailing design process as well as relevant technical specifications of finished product
- Member of Piedmont Student Launch Team, *Piedmont Virginia Community College*** Aug 2016-Jun 2017
- Participated in NASA Student Launch Initiative
 - Assessed and documented safety hazards and prevention measures as the team's safety officer
 - Completed request for proposal and technical reports modeled after federal contracting process
 - Organized and presented lectures to teach the public about rocketry basics
 - Participated in teleconferences with NASA engineers to discuss design decisions and changes
- FTC Team 7953 Vertigo, *Albemarle High School Robotics*** Aug 2013-Jun 2017
- Served as communicator between different teams as well as faculty
 - Coordinated team members to design and develop robot as team captain from Aug 2015-Jun 2017