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Purdue engineering student with 5 years of industry experience and 4.0 GPA searching for a software development internship for the summer of 2019.

EDUCATION:

B.S. in Computer Engineering, Purdue University, planned graduation May 2020. Current GPA: **4.0** on a 4.0 scale. **Dean's List** every semester. Minor in Computer Science. Associate's Degree in Electrical Engineering Technology (2018).

RELEVANT COURSEWORK:

- **Software Engineering:** Visual Basic, MATLAB (Honors), C (Honors), Microprocessors (VHDL), Java, HTML/CSS
- **Electrical Engineering:** Electrical Circuits, Electronic Systems Fabrication

EXPERIENCE:

- **Software Engineering Intern at Lockheed Martin** (Littleton, CO) from May 2018 to August 2018.
Wrote approximately **1,000** lines of code in C++, Python, and Bash. Developed ROS nodes, onboard software, and simulation/control software for autonomous robots as part of a **\$10.6 million** contract. Developed log file and script management and control scripts in Python for project. Assisted in calibration and sensor analysis for robots and associated equipment. Additionally, participated in machine learning research on Convolutional Neural Network software and worked to implement activation mapping for existing CNNs.
- **Software Engineering Intern at NASA Langley Research Center** (Hampton, VA) from June 2016 to August 2017.
During two summer internships, developed software through entire life cycle (analysis, design, implementation, testing and integration, and maintenance) in MATLAB and C programming languages to perform testing and validation on real-world sensor system (RBI). Wrote and tested over **4,000** lines of documented code. Applied JavaScript to analyze and display resulting data. Used MS Office to present outcomes of work and results of studies to Directorate. RBI budget is **\$200 million** and is scheduled for launch in 2021.

SKILLS AND KNOWLEDGE:

Software development:

- **C, C++, Python:** Industry, competition, and coursework experience (Lockheed Martin, NASA)
- **Java, HTML, CSS, JS:** Competition and industry experience (#INCapitolHack, NASA)
- **Agile and Waterfall:** Training in development and testing methodologies (Lockheed Martin, NASA)

Operating systems:

- **Windows:** High familiarity with **Windows** operating systems and Visual Studio.
- ***nix:** Familiarity with and knowledge of *nix operating systems including **Linux** (including Red Hat and Ubuntu industry experience) and **Mac OS X**

Leadership:

- President of IEEE student chapter January 2017 to present
- Secretary and organizer for ACM student chapter August 2017 to present
- Founder of Dyslexic Kids global not-for-profit support network; 15,000 members in 74 countries
- LEAD Engineering Peer Mentor at Purdue University from August 2017 to present

ACHIEVEMENTS AND AWARDS:

Top 150 U.S. contestant, IEEEExtreme11.0; **1st Place**, Purdue Object-Oriented Programming Competition (using Java); College of **Engineering Scholarship** for Excellence; **Finalist**, #INCapitolHack 2016; Represented Purdue in global programming competition.