

## **Ryan Joseph Pals**

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### **OBJECTIVE**

To obtain a challenging position that will allow me to simultaneously showcase my technical skills and provide great value to the organization

### **EDUCATION**

**Iowa State University** 2015- Present (Graduating December, 2018)

Cumulative GPA 3.20

- Computer Engineering
- Academic Scholarships: Award for Competitive Excellence, Cardinal Leadership Scholar Award, College of Engineering Scholarship (Boeing Company Award)

**University of Iowa** 2014- 2015

Cumulative GPA 3.84

- Calculus III, Introduction to Linear Algebra

**Iowa City West High School** 2011- 2015

Cumulative GPA 3.95, Graduated with High Honors

### **WORK EXPERIENCE**

**Rockwell Collins** June 2017- August 2017

Technical Intern Senior, Integrated Navigation Systems, Advanced Technology Center

- Ran GPS anti-jamming simulations as consultancy project for outside firm
- Analyzed performance and accuracy of existing products using MatLab, eventually leading to discovery of a bug in a fielded system
- Extended existing embedded Linux code for GPS device to support compatibility with new standards

**Rockwell Collins** June 2015-November 2016

Technical Intern Junior, Supply Chain Quality Assurance

- Developed a tool that helps collect and organize supplier performance data using Visual Basic for Applications and native Excel functions
  - Automated the generation of executive reports and presentations from this data
  - Communicated with future users of this tool to obtain feedback for continuous improvement of ongoing development
- Automated extraction of data from SAP database software to create charts and graphs for presentations

### **SKILLS**

**Languages:** C/C++, Python, MatLab, VBA, Java, Verilog, JavaScript, HTML

**Software:** Vim, GNU/Linux, Eclipse, PyCharm, Excel/Microsoft Office, Virtualbox, Pspice

### **ACTIVITIES**

**HackISU** 2016

Industry sponsored 36-hour development competition with emphasis on teamwork

- Fall: Collaborated with two software engineering students to create a moderator bot for the instant messaging app “Discord” using Python and RESTful API’s.
- Spring: Worked with two software engineering students towards development of a Rubik’s Cube solving Android app using OpenCV

**ISU Entrepreneurship Club** 2015 - present

**ISU Mobile Development Club** 2015 - present

**Cedar Rapids Startup Weekend** March 2016