

## **Education**

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### **University of Wisconsin**

Bachelor of Science

- Major: Computer Sciences
- National Merit Scholarship

Madison, WI

May 2016

GPA: 3.4/4.0

## **Employment**

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### **Pilot Training System**—*Software developer*

June 2015 to present

- Develop advanced weather simulation engine (ClimaDrive) for FSX/Prepar3D
  - C++/C# applications interface with simulator via event-based SimConnect SDK
  - PHP/SQL web interface provides weather briefing and creates data for simulator
- Integrate use of GitHub to aid collaboration

### **UW Library System**—*Helpdesk support*

June 2015 to September 2015

- Provided technical support to library employees and patrons
- Imaged and deployed computers within network of ca. 800 machines

### **Badger Catholic**—*Webmaster*

August 2014 to present

- Publish weekly newsletter
- Update content on and maintain website (Wordpress)
- Work closely with marketing team to create acceptable web content and keep the website up to date with events and news

### **Department of Industrial and Systems Engineering**—*Video editor, Programmer*

August 2014 to present

- Help create introductory private pilot course
- Create quiz-generating and scoring software for course website (PHP/SQL)

### **Internet Scout**—*System Administrator*

June 2013 to September 2014

- Maintained desktop and server hardware and software
- Provided OS X desktop and application technical support for employees
- Managed server software in Linux shell almost exclusively (CentOS 6, bash)

## **Other Skills and Qualifications**

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### **Language experience:**

- C/C++ (since 2008), Java (2010)
- HTML (2007), PHP (2014), Javascript (2015)
- bash (2010)

### **Future Business Leaders of America:**

- Finished 7th nationally in FBLA's *Desktop Application Programming* category in 2011 (C++)

### **Aviation:**

- Obtained private pilot license on July 3, 2014, more than 150 hours experience
- Captain of the University of Wisconsin's Flying Team
  - 3rd Top Pilot in the National Intercollegiate Flying Association's 2015 Region V SAFECON

### **Foreign Language skills:**

- Started learning German in 2008; conversationally fluent.

### **Other interests:**

- Model (RC) airplane building and flying
- Sports cars and auto racing
- Bicycling
- Playing, arranging, and composing music