

## Education

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### University of Wisconsin

Bachelor of Science

Madison, WI

May 2016

GPA: 3.4/4.0

- Major: Computer Sciences
- National Merit Scholarship

## 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 loads weather data and flight parameters for the 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)

**FBLA:** Finished 7th nationally in Future Business Leaders of America's *Desktop Application Programming* category in 2011 (C++)

**Aviation:** I obtained my Private Pilot Certificate on July 3 2014 and have accumulated more than 150 flying hours. I am a captain of the University of Wisconsin's Flying Team, on which I was named third Top Pilot in the National Intercollegiate Flying Association's 2015 Region V SAFECON competition.

**Foreign Language skills:** I have been learning the German language since 2008, and am conversationally fluent.

**Other interests:** Model (RC) airplane building and flying, sports cars and racing, bicycling, music