

Education

University of Wisconsin

Bachelor of Science

- Major: Computer Sciences
- National Merit Scholarship

Madison, WI

May 2016

GPA: 3.4/4.0

Employment

Extreme Engineering Solutions—*Associate Embedded Engineer*

January 2016 to present

- Build, test, and release IPMI firmware for VPX computers

Pilot Training System—*Software developer*

June 2015 to December 2015

- 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 February 2016

- 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

UW-Madison Industrial and Systems Engineering—*Video editor, Programmer*

August 2014 to December 2015

- 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

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