

# Peter Zieske

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## Education

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**Cornell University**, College of Engineering  
*Master of Engineering, Computer Science*

**Ithaca, NY**  
*Aug 2014 - May 2015 (expected)*

**Cornell University**, College of Engineering  
*Bachelor of Science, Computer Science*  
Cumulative GPA: 3.876, Major GPA: 4.000

**Ithaca, NY**  
*Aug 2011 - May 2014*

## Experience

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**Microsoft**

*SDE Intern*

**Redmond, WA**

*May 2014 - Aug 2014*

Worked to enhance security and flexibility in Engineering Systems of Operating Systems Core. [C/C++]

**Microsoft**

*SDET Intern*

**Redmond, WA**

*May 2013 - Aug 2013*

Developed both traditional and randomized testing automation for the Email and Calendar team in Windows Phone. [C#]

**Cornell University**

*Teaching Assistant*

**Ithaca, NY**

*Aug 2013 - Present*

Served on course staff for CS 3110 Data Structures and Functional Programming, CS 4820 Introduction to the Analysis of Algorithms (×2), and CS 4410 Operating Systems. [OCaml,  $\text{\LaTeX}$ , Python, C]

**Pirates of the Stratosphere**

*Developer*

**Ithaca, NY**

*May 2013 - Aug 2013*

Worked in a 5 member interdisciplinary team to create a pirate-themed shooter. The game won in Cornell's 2013 GDIAC Showcase. [C#]

**Cornell University**

*Undergraduate Researcher*

**Ithaca, NY**

*Jan 2013 - May 2013*

Explored the use of network flow algorithms in computer vision under Professor Ramin Zabih.

**Violet Nano-Satellite Project Team**

*Developer*

**Ithaca, NY**

*Sept 2011 - May 2013*

Worked with the satellite's power board on the Command and Data Handling subsystem of the team. [C, Python]

**Windows Phone App Development**

*Independent*

**Ypsilanti, MI**

*June 2012 - Present*

Designed and developed 5 apps for Windows Phone 7 and 8 with total downloads exceeding 10k. The most recent app *Bus Alarm* placed first in Microsoft's 2013 Intern AppHack competition. [C#]

**Mt. Olivet Cemetery Database**

*Developer*

**Chelsea, MI**

*June 2012 - August 2012*

Create a user-friendly management system for a cemetery near my hometown. [VBA]

## Technical Skills

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**Languages:** C#, C/C++, Java, OCaml, Python, HTML/JavaScript, VBA, Matlab, Prolog, Perl

**Tools:** SSH,  $\text{\LaTeX}$ , Git, Powershell, Unix, Visual Studio, AngularJS