

# Peter Zieske

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## Education

**Cornell University** - *M.Eng., Computer Science*  
Cumulative GPA: 4.052

*Aug 2014 - May 2015*

**Cornell University** - *B.S., Computer Science*  
Cumulative GPA: 3.876

*Aug 2011 - May 2014*

## Work Experience

**Microsoft** - *SDE Intern*

*May 2014 - Aug 2014*

Worked within Engineering Systems of Operating Systems Core. Built from scratch a Windows SSH server compatible with both OpenSSH and PuTTY clients. [C/C++]

**Microsoft** - *SDET Intern*

*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*

*Aug 2013 - May 2015*

Served on course staff for CS 3110 Data Structures and Functional Programming, CS 4820 Introduction to the Analysis of Algorithms ( $\times 2$ ), and CS 4410/4411 Operating Systems. [OCaml,  $\text{\LaTeX}$ , Python, C]

## Projects

**CrowdVerity**

*Jan 2015 - May 2015*

Worked with professor Emin Gün Sirer on M.Eng project crowdverity.com. CrowdVerity imports facts from the real-world into the digital and blockchain domains. [Ethereum, Django, HTML/JavaScript/CSS]

**PORTCULLIS**

*Jan 2015 - May 2015*

Built a secure password manager in a team of 4. PORTCULLIS featured 2-factor authentication, sharing/revocation, and an almost trustless central server. [Java]

**Pirates of the Stratosphere**

*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#]

**Violet Nano-Satellite Project Team**

*Sept 2011 - May 2013*

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

**Windows Phone App Development**

*June 2012 - Aug 2013*

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

## Technical Skills

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

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