

# ALEX BURCK

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## EDUCATION

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**University of Illinois at Urbana-Champaign**  
B.S. Computer Science in Engineering

Dec 2014  
GPA: 3.10/4.00

## WORK EXPERIENCE

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**Intelligent Medical Objects** *Software Engineering Intern*, Northbrook, IL **May 2014 - Present**

- Built a C# ASP.NET MVC 5 application from the ground up, implementing quick XML parsing, a multithreaded connection pool, a full REST API, and a polished JavaScript based user interface.
- Setup Forgerock's OpenAM software stack, an open source Single Sign On solution. Then I wrote branded front end web pages for OpenAM. Finally, integrated a PHP application to with OpenAM using the provided REST API.
- Developed an android application that interacts with a REST API and displays a custom designed user interface.

**CITES Onsite Consulting** *Field Consultant*, Champaign, IL **Jan 2011 - May 2014**

- Assisted in image creation and automated deployment of over 100 computers using Windows Server 2008, SCCM 2012, and MDT 2012.
- Wrote automation scripts using Python, Bash and Powershell.

## CAMPUS LEADERSHIP & ACTIVITIES

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**Association for Computing Machinery** *Conference Staff & Member* **Aug 2012 - Present**

- Helped plan and run the 2012, 2013 and 2014 ACM Conference, a computer science conference with talks from leaders in the computer science industry and career fairs.
- Helping design the 2013 Reflections Projections website and related media sources.

**Special Interest Group for Robotics** *Treasurer & Member* **Aug 2012 - Present**

- We designed and built an Arduino controlled robotic platform and used input from a Microsoft Kinect to autonomously navigate and map an indoor facility.
- Managed funding for all projects developed by SIGBot during the 2013-2014 school year.

**HackIllinois** *Systems Lead & Software Engineer* **Oct 2013 - Apr 2014**

- Part of the lead team of 8 that raised \$175,000 from 60+ sponsors for HackIllinois 2013; a 36 hour student run hackathon with 750+ attending hackers from 25 universities.
- Led a team of 6 software developers to create the website, web based admin tools, iOS and Android mobile applications, and a professional user profile and resume management system for HackIllinois.

## PROJECTS

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**Quadcopter** **Jan 2014 - Present**

- Printed a 3D model of the Quadcopter's frame and other structural components.
- I am in the process of assembling the Quadcopter and programming its microcontroller.

**GPS Tracker** **May 2013**

- Designed and built a GPS tracker intended to track a stolen vehicle.
- Wrote a RESTful API to record live location and vehicle engine data from the tracker.

## HONORS

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**Chick Evans Scholarship** **Aug 2010 - May 2014**

- Full tuition and housing scholarship awarded for excellent academics, outstanding character and leadership, and strong caddie record.

## TECHNICAL SKILLS

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### Proficient

Python • C# • Java  
Linux • Windows • OS X  
Google App Engine • Flask  
ASP.NET MVC5

### Comfortable

C/C++ • HTML/CSS • JavaScript  
Android • AWS

### Familiar

Matlab • PHP • SQL