

# Michael Clayton

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## Campus Address:

415 Evergreen St.  
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## Permanent Address:

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## OBJECTIVE:

To offer my problem solving skills and software development knowledge on a professional practice (Co-Op) basis for the fall of 2014.

## EDUCATION:

### Bachelor of Science in Computer Science

December 2014

Purdue University, West Lafayette, IN

Cumulative GPA: 3.74/4.0

Dean's List & Semester Honors

Spring 2012 – Fall 2013

## SKILLS:

**Languages:** *Java, C, Scala, JavaScript, Shell Scripting, HTML, CSS, BASIC, GML*

- *Interested in learning Python, Ruby, C#, and C++*

**Platforms:** *Android, MS Windows, MacOS, Web, Linux, Unix*

**Other:** *Android Dev., Twitter Bootstrap, JQuery, JSON, Git/GitHub, Apache Zookeeper, Eclipse*

## SELECT PROJECT EXPERIENCE:

### ACADEMIC:

*Shell Interpreter*

Sept. 10, 2013 – Oct. 15, 2013

- Created a shell, which leveraged Lex and Yacc for grammar analysis and provided access to the system's kernel services using C and C++.

### PERSONAL:

*Wifil (Crowdsourced Wi-Fi Locator)*

Aug.. 26, 2013 – Dec. 4, 2013

- Led a team of four to create a crowdsourced Wi-Fi locator for Android devices.
- Created the majority of the Android client code and local Wi-Fi network detection.

*BlockWords*

May 11, 2013 – May 27, 2013

- Developed an addicting grid-based word game for Android devices, which boasts a backtracking puzzle-generating algorithm; polished graphics; and challenging gameplay.

## RELEVANT EXPERIENCE:

***ExactTarget, a salesforce.com company***

May 28, 2013 – Aug. 9, 2013

*Core Engineering Intern*

Indianapolis, Indiana

- Developed a sleek web dashboard that enables real-time ExactTarget server monitoring.
- Created a RESTful API, in Scala, to expose server data and functionality to the UI.
- Leveraged many web and Scala libraries to create a rich and intuitive user interface.

***Purdue University K-12 Outreach***

Oct. 30, 2013 – Present

*Software Developer*

West Lafayette, Indiana

- Adapted from the PicoCTF platform to create a Purdue CTF competition platform.
- Implemented the Flask python microframework to add to an existing RESTful API, enabling interfacing with a Mongo Database.

## ACTIVITIES AND LEADERSHIP:

Purdue ACM SIGAPP (Application Development) Vice President

Sept. 4, 2012 – Present

Purdue ROCS (Reach Out for Computer Science) Member

Aug. 19, 2013 – Present

Purdue Hackers Club Member

Aug. 27, 2013 – Present