# Michael Clayton

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| Campus Address: | Permanent Address: |
|---|---|
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## OBJECTIVE:

To offer my problem solving skills and software development knowledge as a full-time software engineer.

## EDUCATION:

**Bachelor of Science in Computer Science**                                    **December 2014**
Purdue University, West Lafayette, IN
Cumulative GPA: 3.77/4.0
Dean's List & Semester Honors                                                   Spring 2012 – Fall 2014

## SKILLS:

**Languages:** *Java, C, JavaScript, SQL, Scala, 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:

*Shrugs (Graphical Website Builder)*                          Aug.. 26, 2013 – Dec. 4, 2013
   - Led a team of four to create a graphical website builder using the Java Swing toolkit.
   - Utilized the Java Swing toolkit to create a website building GUI with form and function.
*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 an online problem solving and
     programming competition platform.
   - Implemented the model–view–controller paradigm to make a dynamic web user interface.
   - Utilized 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 Hackers Club Member                                     Aug. 27, 2013 – Present
Purdue ROCS (Reach Out for Computer Science) Member            Aug. 19, 2013 – Dec. 17, 2013