Michael Clayton

mclayto@purdue.edu   —   michaelcclayton.com

Campus Address:	**Permanent Address:**
415 Evergreen St.	311 North 1100 East
West Lafayette, IN 47906	Hartsville, IN 47244
(812) 374-4896	(812) 374-4896

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 – Spring 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