

# Brett Pelkey

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Portfolio: <http://brettpelkey.com>

## Education

### Bachelor of Arts Computer Science

8/13 - 5/17 Las Cruces, NM

- New Mexico State University, Expected May 2017
- Cumulative GPA 3.71 / Computer Science GPA 4.0
- Dean's List for seven semesters in a row with GPA 3.99
- Honors Student/Crimson Scholar

## Professional Experience

### Undergraduate Research Assistant

6/15 - present Las Cruces, NM

*New Mexico State University iCredits (internship)*

iCredits is a National Science Foundation funded program established to bring together individuals from multiple disciplines to study and research smart grid technology.

- Phasor Measurement Unit Monitoring Tool (project)
  - Develop a Java applet to simulate Smart Grid parameters in a visual representation
- Data Mining (project)
  - Pre-process and manipulate large text files to run classification methods on them and log results

### Co-Founder/Lead Developer

6/14 - 12/16 Las Cruces, NM

*Flooid Lingo (Android Application)*

- Entrepreneurial start-up
- 2014 Launch Award Recipient (<http://arrowheadcenter.nmsu.edu/launch/>)
  - Develop and maintain a user-based Android application with a web service backend

### Student Software Developer

5/16 - 9/16 Los Alamos, NM

*Los Alamos National Laboratory (internship)*

- Communicate with and utilize requirements from an internal client to build and maintain a java application to ensure daily tasks can be executed
- Develop a program to read values of sensors throughout a building and insert these values into an Oracle Database every minute; aggregate the values per sensor nightly to keep a daily log of high, low, avg, etc for each sensor

## Programming Experience and Skills

- 4+ years with Java and XML
- Android programming in the Eclipse IDE & Android Studio with published applications
- Experience with C/C++, PHP, MySQL, PL/SQL, Python, HTML, CSS, R, web hosting, version control (svn, git, mercurial), Linux/Windows systems administration
- Self-motivated with school/personal projects with the ability to pick up and adapt to new languages quickly

## Organizations and Activities

- SiC Students in Computing, NMSU 9/15-present
- Chess Club, NMSU 9/15-present