Dylan Zingler

dylanzingler@gmail.com

3219 Blackwalnut Drive

Annapolis, MD 21403

443-822-9002

github.com/zinglax

linkedin.com/in/dzingler

dylanzingler.com

EDUCATION

Bachelor of Science in Computer Science   Spring 2015

University of Maryland College Park

SKILLS

- Very familiar with Linux/Unix Operating systems (both Debian and RHEL)
- Web development especially with Django and jQuery Mobile
- Strong in Python, Java, C, and Ruby
- Can work with SQL Databases

RELATED COURSEWORK

CMSC 436 Programming Hand Held Systems   Fall 2014

- Studied the Android Mobile Device platform
  - Learned the runtime lifecycle of applications and how to interface with our own applications.
- Class Project (team): Programmed a wine and liquor reviewing/purchasing Android application in a team of three people.
  - Implemented Facebook authentication and Parse (Cloud Database) infrastructure to store product reviews, user purchase information, and discounts.
  - Effectively setup and managed Git code repository (via Github) for the group

CMSC 420 Data Structures   Spring 2014

- Learned runtime capabilities of various data storage like structures and general formulas to calculate runtime.
- Class Project (individual): Required students to read in mock geolocation and road information from XML files to generate a graph. The projects goal was to give the user GPS like commands to navigate the graph based on calculations from Dijkstra's Algorithm
  - Data was stored in a quadtree structure which maintained a search runtime of $O(\log(n))$
  - Debugged using Eclipse and J-Unit tests which handled XML input and checked the output with a canonical

EXPERIENCE

Intern at Rockwell Collins   Winter 2015

- Tasked with creating a backup system for data used by the project team
- System was successfully able to back up over two terabytes of data which was done through the Linux rsync command
- Initiated periodically through a command line application by a team member who was then notified via email when tool finished backup.

Intern at Arinc   Summer 2010

- Tasked with parsing customer configuration files (Python files) with a Python script and generating human readable customer documentation page on the teams wiki
  - Correlated a Python files method, function, and class names into which features the customer was subscribed to
  - Wiki formatted text was generated with the features listed and web-page automatically generated using a terminal web-browser
- Successfully enabled the project customer support staff, and other team members without in depth programming knowledge, to determine features for which a user was subscribed

EXTRA CURRICULARS

- Founding member of the University of Maryland Mobile Application Developers (MAD) club
- Member of the University of Maryland Mens DIII Club Ice Hockey team
- Programming projects using the RaspberryPi Linux computer board