Jack Lotkowski

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EDUCATION

UNIVERSITY OF MARYLAND   College Park, MD
B.S. Computer Science   Expected Graduation: May 2015

- GPA - 3.8, Dean's List
- Presidential Scholarship, Chevy Chase Bank Scholarship (2013)
- Digital Cultures and Creativity Honors Program Citation

WORK EXPERIENCE

AMAZON.COM   Seattle, WA
Software Development Engineering Intern   May 2014 – August 2014

- Developed 2 full-stack web applications using Spring MVC and Amazon Web Services
- Implemented dynamic front-end interfaces using Functional Reactive Programming and BaconJS
- Developed systems to support inspection automation of Kindle Direct Published books

"NEWSSTAND": INFORMATION SEARCHING USING A MAP QUERY INTERFACE   College Park, MD
Undergraduate Researcher   June 2013 – November 2013

- Updated and debugged map based UI using JavaScript, Google Maps API and Ruby
- Queried data from over 8000 RSS feeds using XML and SQL commands
- Worked closely with 4 graduate students and a CS professor

THE COLLEGE OF AGRICULTURE AND NATURAL RESOURCES   College Park, MD
Web Development Intern   August 2012 – March 2013

- Maintained and developed new features for the College of Agriculture's website
- Assisted in development of the AGNR Extension website which serves 24 counties and 28 outreach programs
- Worked primarily with Drupal and backend development using PHP, JavaScript, HTML and CSS

PREMIER CODING SOLUTIONS   Philadelphia, PA
Software Development Intern   Summers of 2010, 2012

- Developed product features with C# for auditing software and SnapKick.com
- Gained experience with the Model View Controller design pattern and test driven development
- Maintained and improved relational database architecture using SQL

PROJECTS (View all: JackLot.me/projects.html)

NATIONAL HONOR SOCIETY (NHS) WEB APPLICATION   2009 - 2010

- Created a web application in PHP that replaced the paper NHS application for the Colonial School District
- The system annually supports approximately 700 unique users (teachers, students and community members)

MICROSOFT SURFACE APPLICATION DEVELOPMENT   2010 - 2011

- Developed applications in C# and XAML for the Microsoft Surface touch screen table (youtube.com/SurfaceClub)

SKILLS

Experienced in:

- Object-oriented programming in Java, Ruby and C#; Web application design in JavaScript/JQuery, HTML, CSS
- Ruby on Rails and the Model View Controller design pattern; MySql, Oracle and relational databases
- Linux development; Git; Eclipse IDE for Java development and debugging

Familiar with:

- C; Functional programming (OCaml, Erlang)

ACTIVITIES

UMD MEN'S ULTIMATE FRISBEE (*Captain*)   2011 - Present
ROBOTICS@UMD (*Programming team member*)   2011 - 2012
FIRST ROBOTICS (S*oftware team lead*)   2009 - 2011