(773)-569-9419
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floodric.com
github.com/floodric

Ryan Flood

Carnegie Mellon University Class of 2015
B.S. Information Systems. 3.59 GPA

Work Experience

The Boeing Company

IT Project Management Intern   2013

Developed criteria to determine and mitigate risk related to software updates
Evaluated and developed new software development processes
Managed software development, testing, and deployment across departments
Assessed and ensured application security and standards compliance
Acted as stand in manager by attending meetings and responding to emails

Clarity Partners, LLC

Associate Software Developer   2012

Client: **Chicago Police Department**
Implemented monitoring tools reporting database health every two hours
Redesigned searches improving accuracy and speed from minutes to seconds

Mercy Home for Boys and Girls

Asisstant Web Developer   2011-2012

Created donors personalized fundraising pages increasing donations by 125%
Customized third party services to unify the Mercy Home brand
Refactored the Mercy Home website to be modern and follow design patterns

Projects

Security Research:
Game theory best practice experiments using Monte Carlo Simulations
Status: In Progress 2012-Present Paper Planned October 2013

RGBeats:
Hackathon Mobile App to convert images to musical compositions
Status: Under Development 2013-Present Release Planned 2014

Gist:
Web news aggregator/filter that creates summaries to search queries
Status: Retired 2011-2012

Kevin Costner:
Voice-controlled drink dispensing robot using Kinect and Raspberry Pi
Status: Planning and Design 2013

Languages:
C#, C, Java,
Ruby on Rails,
ASP.NET, SQL,
Python, Perl

Networking:
TCP/IP, SSH, SFTP, FTP

Software:
Wireshark, IDA Pro
Burp Suite
Microsoft Project,
Microsoft Visio,
Adobe Creative Suites,

Methodologies:
Agile, Joint, Waterfall
Test Driven, OSI Model

Platforms:
Windows, *nix
Android, Web

Relevant Courses:
Application
Design & Development
Network Security &
Applied Cryptography
Web Application Security
Mobile to Cloud:
Distributed Applications

Hobbies:
WRCT Producer
Competing in Hackathons
CTFs with the CMU PPP
Marathon Training

Volunteerism:
Mercy Home Volunteering
WRCT Public Radio
Race Support Volunteering