Nickolas Balboni

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Website: http://nickbalboni.com
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StackOverflow: http://stackoverflow.com/users/2615252

Availability: March - June 2017

EDUCATION

NORTHEASTERN UNIVERSITY
BS in Computer Engineering
Expected January 2018 | Boston, MA
GPA: 3.19 / 4.0
Major GPA: 3.46 / 4.0

PHILLIPS EXETER ACADEMY
Grad. May 2013 | Exeter, NH

COURSEWORK

Network Security
 SSL/TLS, IPsec, OAuth, WPA
 RSA, Diffie-Hellman
 DOS, Viruses, Worms

Programming Languages
 Development of languages
 Method dispatch; concurrency

Fundamentals of Eng. Algorithms
 C++; Sorting, Tree and Graph
 Algorithms; Algorithm Analysis

Digital Design and Comp. Org.
 Combinational Logic Design;
 Sequential Circuits; Verilog

Fundamentals of Electronics
 Analog Electronic Circuits
 Op-amps, Diodes, BJTs, MOSFETs

Embedded Des. Enabling Robotics
 Unix; C; Wireless Networking

Engineering Problem Solving
 C++; MatLAB

SKILLS

Proficient:
 Python • JavaScript/AngularJS
 Objective-C/iOS • CSS/Sass
Comfortable:
 Java • C++ • C • MongoDB
 Bottle/Flask • Bash
Familiar:
 C# • Android • MySQL

ABOUT ME

- Enjoy playing guitar and piano; compose pieces of music in my free time.
- Love to code!

EXPERIENCE

TABLELIST | Software Development Co-op
January 2016 – March 2017 | Boston, MA
- Work as a full-stack developer on web, server, and iOS products.
- Develop in AngularJS, Node.js, Swift, and Mongoose.
- Built the curated lists module for the company's admin portal.
- Built, and took ownership of a repository of Jinja templates and Python scripts for managing email distribution for Tablelist projects.
- Refactored server notification code to work with the new templates and service; Built opensource python package to interface with sendwithus: Github:// uploadwithus
- Added tiered-ticketing to NightPro, the company's venue management app.

CHARLES RIVER DEVELOPMENT | Software Engineering Co-op
January – July 2015 | Burlington, MA
- Worked on the Post-Trade team writing bug fixes and unit-tests in Java.
- Created various Python scripts to assist with QA work.
- Took ownership of the team's automation testing project, repairing and maintaining it.
- Advanced abilities working in an agile setting (specifically scrum).
- Obtained insight into the workings of financial markets.

B2W SOFTWARE | Software Engineering Intern
Summer of 2013 & 2014 | Portsmouth, NH
- Worked on both the Mobile and Maintain teams filling various responsibilities.
- Created the first iteration for the equipment section of the maintenance module, which was pushed into production in the 2014 release.
- Gained experience with release testing, on both iOS and Android tablets.
- Worked on the cross-platform tablet application, coding in Javascript with the Kendo UI framework, and working with PhoneGap.
- Designed and developed a continuous integration system for ad hoc deployment of the B2W Mobile application.

PROJECTS

APPS WITH STYLE, LLC | Co-Founder & Software Developer
January 2014 – Present | Exeter, NH
- Create mobile applications for clients, and applications for distribution under the company developer account.
- Develop mobile applications using both native iOS development (i.e. Swift, Objective-C, Core Data, Interface Builder, and Size Classes), and cross-platform development (i.e. Phonegap, Javascript, AngularJS, CSS, and HTML)
- Completed and released an iOS password and account manager called passKey, which is out on the Apple app store today.
- Acquire experience running and maintaining a business.
- Created a company website: http://appswithstyle.net, for showcasing applications and company information.

BOTTLE-BUILDER | Github:// bottle-builder
- A python package containing a build tool for bottle web projects.
- Complete with favicon, opengraph, head, and app route generation.