Rob Surrette

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EDUCATION

Drexel University — Philadelphia, PA
Bachelor of Science in Engineering Technology — June 2017
Minor in Computer Science — GPA: 3.23
Dean's Scholarship, 2012-2017

COMPUTER SKILLS

Languages: Swift, Java, C++, Python, Visual Basic, Javascript, JSON, HTML, Bash

Applications: Xcode, AutoCAD, SolidWorks, Ionic, MATLAB, Maple 16, Final Cut Pro, Adobe Photoshop, Illustrator, Flash, Fireworks, Microsoft Word, Excel, PowerPoint, Publisher

Operating Systems: Windows, Linux, macOS, iOS

EMPLOYMENT EXPERIENCE

Comcast — Mount Laurel, NJ
Network Engineer — March 2016 - September 2016

- Used Excel to build an analytical tool to improve the decommission tracking of 2,000 outdated network routers
- Created a mobile application with a team of six for Customer Timeline for technicians to easily view a customer's history in the field
- Automated daily and repetitive network engineering tasks using Python and Excel
- Developed plan for router decommission for onsite technicians to run overnight

QVC — West Chester, PA
Quality Assurance and Packaging Engineer — March 2015 - September 2015

- Worked with vendors to improve packaging for product protection, cost-effectiveness, and out-of-box presentation
- Assisted in first piece package testing
- Assisted in creating and reviewing techniques for QA sample evaluations
- Participated in a cross-functional packaging consortium to improve customer experience and distribution efficiencies

BAYADA Home Health Care — Langhorne, PA
Desktop Systems Analyst — March 2014 - September 2014

- Supported field offices nationwide by installing and configuring computers via remote desktop control support tools in a TCP/IP network environment
- Investigated and resolved software and hardware technical issues and maintained networked peripherals
- Managed and prioritized problem incidents using Track-It! help desk tool

ENGINEERING SENIOR DESIGN PROJECT

Combined Algae Bioreactor and Solar Cell Array for Biofuels and Photovoltaic Electricity
Drexel University — September 2016 - June 2017

- Awarded 2nd place in the entire College of Engineering (204 teams)
- Created a bioreactor that is twice as efficient as current market solutions that also produces a surplus of electricity
- Worked on a four person team to design, build, code, and test our bioreactor and solar cell system
- Prepared a technical report consisting of data analysis, circuit designs and 3D flow rate simulations

iOS APP DEVELOPMENT

Patco Train Schedule, River Line Schedule, Weather by the Hour — July 2017 - Present

- Built using the Swift language and the Xcode IDE while following Apple's Human Interface Guidelines
- Performed end user testing with multiple iPhone and iPad emulators in various screen resolutions
- Consistently updated based on user feedback and suggestions
- Over 2000 downloads and counting