ROBERT SHELTON, CSM

Developer & Systems Engineer

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EXPERIENCE

Software Intern
Lightbulb Machine

📅 Jun 2018 – Sep 2019   📍 Charlottesville, Virginia

- Added credit card functionality to web platform receiving and distributing funds for/to non-profits.
- Created a methodology for testing OCR software which utilized custom functions (JavaScript) to statistically evaluate translation accuracy of typed and hand-written text.
- Performed competitive landscape analysis for two new product offerings consisting of a SAAS application and a data centered app to aid philanthropic investment.

Inventory Manager
Micah's Backpack

📅 Sep 2017 – Present   📍 Blacksburg, Virginia

- Responsible for $3000 worth of weekly inventory purchases
- Lead coordinator between suppliers and volunteers to assure quantity and quality of meal output.
- Developed user friendly Google Sheet to automate the collection of performance statistics and make daily usage faster and more accurate.
- Standardized practices through development of SOPs for next generation contributors.

Software Intern
Excella Consulting

📅 Jan 2017 – Present   📍 Blacksburg, Virginia

- Created academic website based on REST API pattern and SOLID principles with Angular 6, ASP.NET Core, Entity Framework, and PostgreSQL
- Dockerized Node.js server and Ionic client to Heroku production environment and assisted onboarding new team members through virtual machine and Git environment setup on hybrid mobile app
- Completed Agile Scrum Master (CSM) training

RESEARCH

Sustainable Biomass Feedstock Logistics

- Created software architecture for web-based decision support tool which implements an integer programming model to optimize a flexible set of biofuel supply chain configurations.
- Promoted the creation of tangible project deliverables and vertical slices of functionality.
- Lead design process for first generation user interface.

EDUCATION

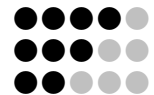### B.S. Industrial Systems Engineering
Virginia Tech | GPA: 3.73

📅 Aug 2016 – May 2020

CODING

Git, Angular, React, Vue.js ●●●●○
Python, Julia, SQL, MongoDB ●●●○○
C#, .NET, Docker ●●○○○

EXTRACURRICULAR

Data Science for Social Good Workshop

- Interviewed experts in mechanism design and created video content to educate others.
- Expanded network and attended lectures addressing health care, global power infrastructure, auction algorithms etc.

Open Source Dev Conference

- Presented on time management and the pomodoro technique
- Prompted afterward to re-give talk at Radford University

100 Girls of Code

- Instructed camp members in HTML and CSS.
- Inspired students to embrace a positive can-do attitude.

Hot Cakes Hot Takes Podcast

- Host and co-creator of student run podcast
- Twenty episodes to date ranging in content from interviews with Hip Hop artists to discussions on behavioral economics.

Residential Leadership Community

- Lead NRV train project with the Blacksburg Partnership
- Created student documentary to promote extended train lines to Blackburg area.

MUSIC

Virginia Boy

- Original full length studio album released to Spotify and CD.
- Organized recording schedule among team of musicians, producers, and engineers

Key Performances/Features

- In The Neighborhood Sessions | TNT Network
- VT SoundFest 2018, 2019