Trey White

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EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)   Blacksburg, VA
B.S. Business Information Technology   *Fall 2010 – Spring 2014*
B.S. Finance   *Fall 2010 – Fall 2014*
- Honors College (Graduated: Spring 2014)
- In-Major GPA – 3.74/4.00, Cumulative GPA – 3.61/4.00
- Dean's List (Fall 2010 – Fall 2011, Fall 2012 – Spring 2014)
- Undergraduate Research - Text Analytics for Stock Pitch Accuracy Assessment (Completed: Spring 2013)

WORK EXPERIENCE

Microsoft Corporation, *Software Development Engineer 2 (Level 62)*   Seattle, WA   *Mar. 2020 – Present*
Lead design and full-development life cycle of multiple projects for an AI+HI (artificial intelligence + human intelligence) incident detection system called "SpikePSI" that uses ML models to detect anomalies indicating possible service incidents
- Proposed, designed, and built standalone ASP.NET Web API, *"SpikePSI API,"* allowing authenticated access to SpikePSI data which was used internally and by external partners (with onboarding and separate authentication)
- Designed and built full-stack incident management system, *"Alchemy Portal,"* used by 44 product teams (Teams, Word, O365 Consumer, etc.) with React-Redux frontend, API (mentioned previously), and Cosmos and SQL databases that enabled full investigation into potential service incidents, submitting judgements and comments, creating suppression/override phrases, updating rule configurations, and more
- Designed and built C# application, *"Alerter,"* that generated emails and IcM ("Incident Management," Microsoft's internal support ticket system) tickets and delivered emails/tickets appropriate stakeholders allowing rapid identification and investigation into possible service incidents (accounting for 52%+ of initial alerts) leading to cost savings of up to $50,000 per incident by alerting engineers and prompting communications teams to publish workarounds or known issues
- Designed and built C# application, *"Autoposter,"* similar to aforementioned Alerter but much stricter due to public-facing nature, that generated and posted incidents to the Service Health Dashboard reducing time to communicate to engineers and end-users by ~37 minutes resulting in potential thousands of dollars of savings within that time frame for each incident

RealNumberz LLC, *CTO and Co-Founder*   Richmond, VA   *Dec. 2018 – Present*
Designed, developed, tested, deployed, and maintained MERN stack PWA enabling real estate investors to manage portfolios by utilizing bank account connections with automatic transaction imports, notifications for outstanding payments, and more
- Designed and developed REST API backend using Node.js, Express, MongoDB interfacing with external APIs, utilizing cron jobs for automated email reminders, generating spreadsheets, and including built-in authentication
- Designed and developed React-Redux frontend consisting of dashboards, investment pages, and analysis charts/graphs
- Created and deployed virtual assistant (VA) recruitment funnel receiving ~40 applicants for screening and hiring
- Built concierge upload service enabling users to upload raw data for VAs to interpret and upload to specific investments
- Managed and assisted in development of WordPress.org authority website
- Created Time Value of Money calculator library and deployed as open-source package to NPM

Deloitte LLP, *Technology Consultant*   Washington, DC   *Feb. 2015 – Dec. 2018*
National Institutes of Health – Office of Science Policy
- Managed and developed Angular MVC, EF public-facing web app allowing principal investigators to generate new protocols from NIH templates and collaborate with designated team members
- As developer and project manager, organized and led client meetings/demos, multiple UATs, internal strategy, daily scrums, and proposed additional functionality leading to two additional phases and an extension project
- Gave speech and demo at PRIM&R conference leading to ~30% uptick in user base (largest increase)
- Managed and implemented UI/UX redesign of entire application in coordination with Deloitte Digital
- Assisted with and was included in RFP proposal winning $750,000 of future work

Homeland Security Investigations – FAAM Resource and Financial Management
- Introduced VBA object model concept to existing Deloitte team and oversaw redevelopment of applications leading to immediate increase in processing speeds dropping runtime from over 1minute to 5-15 seconds (equating to a conservative estimate of 238 hours per month saved at Post alone)
- Redesigned and created new financial reporting system that won awards for Deloitte

US Department of Treasury – Office of Foreign Assets Control
- Owned workstream developing a document management system (DMS) integrated across all systems within OASIS, a custom application to enable to administration and enforcement of trade sanctions, FOIA requests, etc. (C#, SQL DB)
- Developed interactive modules and capabilities to create Compliance Institution Analytics Dashboard
- Operations and maintenance of OASIS – mapping and module rewrites for new database schemas

PricewaterhouseCoopers LLP (PwC), *Risk Assurance Intern*   McLean, VA   *June 2014 – Aug. 2014*
Pfizer Inc, *Medical Business Technology Intern*   New York, NY   *May 2013 – Aug. 2013*
Bon Secours Health System Inc, *IT Intern*   Richmond, VA   *May 2011 – Aug. 2012*