

Travis M. Clarke

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EDUCATION:

Master of Business Administration, May 2014

The R.B. Pamplin College of Business

Virginia Polytechnic Institute & State University, Blacksburg, VA

GPA: 3.6/4.0 - Magna Cum Laude

Master of Science in Industrial & Systems Engineering, May 2014

The Grado Department of Industrial and Systems Engineering

Virginia Polytechnic Institute & State University, Blacksburg, VA

GPA: 3.7/4.0 - Magna Cum Laude

Bachelor of Business Administration in Marketing, December 2009

Minor: Economics

James Madison University, Harrisonburg, VA

GPA: Overall: 3.2/4.0, Major: 3.5/4.0, Dean's List, Honors Program

EXPERIENCE:

AOL, Inc. – Software Engineer

Seattle, WA

June 2016 – December 2016 (7 mo.)

Full-time

I collaborate with product managers, designers, and engineers across geographically disparate teams architecting, engineering, and implementing global, industry-leading advertising platforms. I troubleshoot critical/blocker production issues related to the ONE Video and DSP advertising platforms. I effectively manage day-to-day tasks in an “agile” scrum process to meet scheduled commitments. I work closely with Operations Engineers to ensure applications are production-ready and able to be effectively monitored and tested using automated methods. I analyze business and technical requirements and design solutions that cater to those specifications. I specialize and expertise in the following dialects: Python, JavaScript, Bash (Shell), and Linux systems programming.

Projects: ONE Video, ONE DSP

PIETech, Inc. – Software Engineer

Powhatan, VA

December 2015 – January 2017 (1 yr. 1mo.)

Full-time

I collaborate on robust, web-based, client-facing software, including the number one financial planning software in the industry (MoneyGuidePro). I engineer portable, modular applications in an effort to evolve the product and its supporting deployment pipeline. I deliver front-end focused tools, infrastructure, and best practices that enable rapid application development. To keep pace with the furious rate of change in the financial planning sphere and remain adaptive to the young, prudent, tech-centric generations, I am continually researching and implementing the latest architectural design patterns, web design trends, and industry best practices.

I am skilled in building products using vanilla JavaScript, jQuery, Java, Android, ASP.NET, and C#. In my current role, I have daily interaction/engagement with the following frameworks: Aurelia, Knockout.js, ASP.NET MVC 5. I utilize the latest features of the recent ECMAScript 2015 (ES6) standard, and in concert with Web Components open web technologies, the SystemJS dynamic module loader, and the Node.js event-driven runtime environment, I am able to produce forward-thinking, client-side JavaScript applications leveraging simple conventions and empowering creativity.

Projects: MoneyGuidePro, myMoneyGuide, Blocks

Freelance – Applications Engineer

Multiple locations

May 2013 – Present (3 yr. 6mo.)

Part-time

I am enamored with anything technology. I have dabbled with everything from corporate websites and AngularJS applications to MySQL databases and Android applications to PHP mail campaigns and even Visual Basic macros. I have published numerous jQuery plugins; one of my most popular creations, TableExport.js – “The simple, easy-to-implement plugin to export HTML tables to xlsx, xls, csv, and txt files” – receives, on average, 250 downloads a week. I crave knowledge, continuously researching the latest frameworks, standards, and conventions in an attempt to stay modern amongst the dynamism of today’s expeditious software lifecycle and mercurial trends.

Projects: TableExport.js, QueryTag.js, MenuAnimate.scss, Rotate.js, TweetDash

Alliance Pointe LLC – Web Developer & Analyst

Pennsylvania Ave – D.C. Office

September 2014 – December 2015 (1 yr. 4mo.)

Full-time

I lead custom application development projects throughout the entire systems development life cycle. I engineer custom applications using self-leadership and adept programming. I hold certifications in Java, HTML, CSS, JS, PHP and various other programming and scripting languages; all of which I utilize and leverage on a daily basis.

I develop new user-facing features, build reusable code libraries and contrive UI/UX designs. I routinely perform memory profiling, CPU profiling, and web performance optimization for maximum speed and scalability. I manage back-end and front-end SEO elements such as .htaccess, robots.txt, and metadata. I build inbound organic search traffic and improve search engine results pages (SERPs), systematically recording, examining and monitor site analytics.

I conduct technical research and analysis in coalition with Department of Defense contractors to sustain the customization and optimization of the Army ERP initiative. Furthermore, I provide technical expertise and developmental/programmatic assistance in the engineering of the Army Financial Management Optimization manpower requirements determination (MRD) objective, to assist the Assistant Secretary of the Army (Financial Management & Comptroller) in implementing AFMO for the Secretary of the Army to: enhance auditability; optimize FM systems, operations, and personnel; sustain readiness in FM units; and improve decision-making and resource allocation.

Projects: AlliancePointe corporate website, MarkerTracker, AFMO Manpower Requirements Determination (MRD)

Virginia Polytechnic Institute & State University - SAASS Tutor

August 2013 – May 2014 (9 mo.)

Student Athlete Academic Support Services

Part-time

I am an adept and passionate instructor who both mentored and tutored Virginia Tech student athletes in the fundamentals and advanced topics of business, mathematics, and engineering. The following is a list of subject-areas in which I teach: Business Information Technology, Statistics, Information Systems, Programming, Supply Chain Management, Business Process Improvement, and Text Mining.

Virginia Polytechnic Institute & State University – Graduate Assistant

August 2012 – May 2014 (1 yr. 10 mo.)

Business Information Technology (BIT) Department

Part-time

In my role as a Graduate Assistant at Virginia Tech, I worked directly under leading research professors in the BIT department creating, revising, and distributing class assignments and solutions manuals. In addition to assignment creation, I tracked and databased both grades and participation scores using a combination of Microsoft Excel and the Top Hat Monocle: Classroom Response System. Some leading software that I have generated assignments/projects for are: LightSIDE text mining engine, SCM Globe supply chain modeler, and Bizagi process modeler. Other job functions include facilitating classroom lectures or attending conferences when a professor is absent or unavailable, homework grading, exam grading, exam facilitation, student technical support, and scholarly article review.

Courses: Business Process Improvement (3 semesters), Advanced Supply Chain Management (3 semesters), Management Science (1 semester)

... Additional work experience available upon request

COMPUTER SKILLS:

Proficiency: (Beginner: 1 – Expert: 10)

Software/Programming (10)	Python, Java, Shell (Bash), Web (HTML, CSS, JavaScript/ES6).
(8)	C/C++, Scala, PHP.
(7)	C#, Ruby.
Front-End Frameworks (9.5)	MVW: AngularJS, React, Aurelia, Knockout.js; CSS: Bootstrap, jQuery UI, Material Design Lite (MDL)
Back-End Frameworks (9.5)	Python: Flask, Django; Node: Express, Socket.io; MVC: ASP.NET
Statistics (9)	MATLAB, JMP Pro 11, Minitab 17, LINDO, Mathematica.
Servers/Database (8.5)	Node.js, Apache, Nginx, OS X, SQL (MySQL, SQLite, PostgreSQL), Regex.
Operating Systems (8.5)	UNIX, Linux (Debian/RedHat), Mac (OS X 10.7–10.11), Raspberry Pi (Raspbian), Android (API 8–23), Windows (2000–7).
Microsoft Office Suite (8)	Word, Excel, PowerPoint, Access, Visio, Outlook, Project.
Simulation (8)	Simio 6, SCM Globe, Littlefield Technologies.
Graphic Design (7.5)	Photoshop, Dreamweaver, Bizagi Process Modeler, Qualtrics: Survey Solutions, AutoCAD.

RECENT PROJECTS:

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|---|--|
| 1. ONE DSP | [1] Demand-side advertising platform using AngularJS (UI), Java (API), Python (Build/Test) |
| 2. MoneyGuidePro (4 th Generation) | [2] G4 release of the #1 financial planning software in the industry (4/18/16). |
| 3. Blocks (by PIETech) | [3] Responsive, modular, Aurelia JS app leveraging TypeScript, jspm, and SystemJS |
| 4. TweetDash | [4] Analytics monitoring dashboard using Angular2, Node.js, and the Twitter Streaming API |
| 5. Rotate.js | [5] jQuery plugin, animation plugin to rotate icons, images, and elements. |
| 6. QueryTags.js | [6] jQuery plugin, popular keyword tag generation using Google CSE. |
| 7. TableExport.js | [7] jQuery plugin, export HTML tables to [XLSX, XLS, CSV, TXT] formats. |
| 8. Alliance Pointe, LLC corporate website | [8] Responsive website using Bootstrap, PHP, Webmaster Tools, SEO. |

CERTIFICATES:

- Oracle Certified Associate Java SE 8 Programmer
[License #: 2405618910CAJSE8]
- CompTIA Linux+ Powered by LPI
[License #: TBD – scheduled Mar. 2017]

ACTIVITIES:

Professional
Institute of Industrial Engineers (IIE)
Virginia Tech MBA Association
VT Hybrid Electric Vehicle Team

Social
Sigma Chi Fraternity
Github: Git Repository Hosting
Stack Overflow: Stack Exchange Network

Extracurricular
Virginia Tech Chess Club
Arlington Chess Club
Music (Guitar)