Colin J. Freyvogel

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**PROFESSIONAL EXPERIENCE**

**Highmark Inc. / Highmark Health – Data Engineer** *February 2019 – Present*

* Developed and maintained tools for generating payout reports for over one hundred hospitals based on hospital reporting and internally developed financial benchmarks
* Facilitated analytics work both through the deployment and maintenance of various tools (GitLab, RStudio, Apache Spark) and through assistance debugging code and providing package management
* Developed internal connection libraries to allow consistent connection to available servers
* Helped administrate and develop internal data API for querying diverse databases in a unified and predictable manner
* Maintained tools for requesting patient level information from Health Information Exchanges.

**Management Science Associates, Inc. – Software Developer I (DevOps)** *May 2018 – February 2019*

* Created and maintained tools to help internal developers and operators monitor system health
* Managed codebase deployments in development, QA, and production environments
* Monitored and repaired issues in production workflow to ensure files were processed reliably
* Troubleshot service issues in production environment

**Carbinite Metal Coatings – Programmer and Coating Technician** *June – August 2014, 2015, 2016, 2017*

* Developed low-level code to help carbide coating machines function more consistently under supply-side electrical fluctuations
* Assisted CTO in transition from analog control to microcontroller control of coating machines
* Applied coating to various workholding applications, to either prevent slippage or decrease part wear
* Measured dimensions of coating to provide prices to customers

**SUMMARY OF QUALIFICATIONS / TRANSFERRABLE SKILLS**

* Capable in many programming languages: C, C++, Python, Scala, Swift, JavaScript (Node.js, Angular), HTML/CSS, shell/BASH, SQL, and Java
* Experience using both Git and SVN for source control, and GitLab for issue tracking and deployment
* Experience using Windows, OS X, and various Linux distributions (CentOS, RHEL, and Ubuntu)
* Familiarity with the MAPR file system and Hadoop Framework (HIVE/DRILL, KAFKA, Apache SPARK, and YARN)
* Extensive use with the Atlassian stack (Bamboo, Jira, Confluence, Bitbucket) for continuous integration
* Solid grasp of basic data structures, algorithm design, and complexity analysis
* Experience with imperative, object-oriented, and functional programming
* Worked alongside multiple teams to bring applications to completion both in the workplace and in software engineering classes
* Skilled in conflict resolution, de-escalating situations, and ensuring effective group workflow
* Excellent analytical, presentation, and writing skills
* Over 10 years of public speaking experience in middle school, high school, and at Grove City College
* Strong work ethic, task-driven, actively seeks out new work and ways to improve the workspace

**EDUCATION**

**Grove City College –** *Grove City, PA* Class of 2018

In 2015, The Princeton Review ranked GCC as a “top 380 best college” in the 12th percentile nationwide.

*Double Major: B.S. Computer Information Systems, B.A. Philosophy*

* **GPA:** 3.17; **Major GPA:** 3.35/3.25;

**K-12 Homeschooled** – *Graduated top of class of one*

**VOLUNTEER AND CHARITY WORK**

* Active fundraiser and donor to American Cancer Society – Relay for Life
* Volunteered at Alpha Omega Crisis Pregnancy Center in Slippery Rock, PA
* Various missions trips to Chicago, Louisville, and the Dominican Republic

**ACCOMPLISHMENTS AND LEADERSHIP: PERSONAL AND PROFESSIONAL**

* Developed a new coating system for Carbinite to improve metal applicator consistency
* Reworked and removed thousands of lines of code from reporting software at Highmark/HMHS
* ΑΔΕΛΦΙΚΟΣ Fraternity: Rush Chair (two years)
* Captain of the Grove City College Debate Team (two years)
* Placed in multiple national debate championships (2014, 2015, 2016, 2018)