

Joshua Kraitberg

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To hold a challenging position that enables me to grow my technical skills

PROFESSIONAL PROFILE

- Quick learner with a keen interest in high performance
- Willingness to learn and adapt and take on any role
- Creative problem-solving skills and effective communication abilities
- Applied machine learning and big data experience
- Proven high-value solution delivery

EXPERIENCE

Junior/Intermediate Developer, MPAC

Jan - May, May - Sep 2018

- Responsible for creating and ensuring delivery of products worth in excess of one million dollars
- Provided system to streamline and enhance product creation, allowing for external data use
- Ensured successful deployment to k8s production environment, continued to provide support and updates
- Worked extensively with AWS resources--Redshift and S3--in building system for horizontal scaling
- Learned significant business-side knowledge required for creating products

Research Assistant, Seneca College – Applied Research and Innovation

May - Dec 2017

- Engaged with external legal tech firm for a machine learning classification system using Python
- Systemized a way of templating documents that was accelerated using machine learning to greatly reduce required human hours
- Optimized the proprietary dataset removing key outliers to boost classification accuracy
- Drafted detailed weekly reports that contained observations and progress
- Explored numerous machine-learning solutions to attack a variety of NLP problems

ACADEMIC PROJECTS

Gaussian Blur CUDA Optimization

- Accelerated a Gaussian blur filter found on GitHub
- Utilized CUDA streams for asynchronous data transfers and kernel concurrency
- Created a custom kernel that handled blurring an image
- Profiled and optimized performance bottlenecks
- Drafted a large report that contained profiling details and comparisons

EDUCATION

Honours Bachelor of Technology, Seneca College

2015 - 2018

Cumulative GPA: 3.8/4.0

TECHNICAL SKILLS

Operating Systems

Windows XP/7/8/10/Server 2012 R2, UNIX/Linux, Mac OS

Programming/Languages

Python, C++14, C, C#, Java, CUDA

Database/Storage Technology

Redshift, S3, SQLite, Oracle PL/SQL, MySQL, MS SQL Server

Web development

JavaScript, ASP.NET, HTML, CSS, Ajax, Bootstrap, PHP

Tools

GitHub, GitLab, Jira, AWS, Excel, Word, Vagrant, k8s