

*Creative, hard-working computer science professional with excellent problem-solving skills and strong foundation in algorithms and mathematics, seeking a challenging position in an energetic and stimulating environment.*

## Education

Expected 06/2019	<b>BS/MS in Computer Science, Drexel University</b> • Cumulative GPA: 4.0 • Graduating with honors from the Pennoni Honors College • Member of Upsilon Pi Epsilon International Honor Society • Teaching assistant for the College of Computing and Informatics • Active member of an advanced algorithms-focused reading group	Philadelphia, PA
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## Experience

	<b>Bentley Systems</b>	Philadelphia, PA
04/2018 - 09/2018	<i>Software Development Co-op (iModel Tools)</i> • Designed and implemented the validation and release process for an evolving set of Base Infrastructure Schemas. Integrated schema validation and difference audit tools into an automated workflow to support the iModel 2.0 EAP. Integrated breaking changes into core internal libraries.	
04/2017 - 09/2017	<i>Software Development Co-op (Strategic Technology Advancement)</i> • Contributed to a cloud-based model synchronization service to support Bentley/Siemens partnership. Investigated key components of application scaling, storage cost analysis, and data backup to ensure reliability. Utilized a test-driven development approach to write unit and integration tests.	
04/2016 - 09/2016	<b>Susquehanna International Group</b> <i>Software Development Co-op (Monitoring, Management, and Automation)</i> • Designed a RESTful API to help automate the desktop provisioning process. Implemented several changes to a critical server inventory website used by hundreds of employees. Improved team efficiency by implementing Continuous Delivery of 80+ .NET apps. Prototyped and configured infrastructure to automate deployment of software artifacts.	Bala Cynwyd, PA
07/2015 - 09/2015	<b>Siemens Healthcare</b> <i>Software Engineering Intern (Ultrasound division)</i> • Developed encryption algorithm for generation of system license keys. Created MySQL database to restructure existing MATLAB scripts and reduce configuration time by half.	Plymouth Meeting, PA

## Active Projects

08/2018 - Present	<b>Digital Pathology</b> • Collaborating with the Cooperative Human Tissue Network and the University of Pennsylvania to develop a machine learning algorithm for the analysis of eosinophil cells in H&E-stained whole slide images.
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## Awards and Recognition

- First Place, DragonHacks 2018 – JamTool, an Amazon Alexa skill enabling musicians to play backing tracks hands-free
- Bentley Systems Career Networking Award, 2017
- Dean's List and AJ Drexel Scholarship, Drexel University, 2014 to 2018

## Skills

Object oriented programming  
Software testing and validation  
RESTful API design  
Relational databases  
Continuous integration  
Scripting for automation

## Languages

C++	● ● ● ● ○
Java	● ● ● ● ○
Python	● ● ● ● ○
C	● ● ● ○ ○
C#	● ● ● ○ ○
Bash	● ● ● ● ○
SQL	● ● ● ● ○
MATLAB	● ● ○ ○ ○

## Software and Tools

Visual Studio	● ● ● ● ●
Eclipse	● ● ● ● ○
Azure Service Fabric	● ● ● ○ ○
SQL Server	● ● ● ○ ○
NuGet	● ● ● ● ○
Git	● ● ● ● ●
Mercurial	● ● ● ● ○
Google Test	● ● ● ● ○
NUnit	● ● ● ● ○
TFS/VSTS	● ● ● ● ○
Atlassian JIRA	● ● ● ● ○
TeamCity	● ● ● ● ○
Octopus Deploy	● ● ● ○ ○

## Favorite Coursework

Data Structures and Algorithms  
Intro to Artificial Intelligence  
Machine Learning  
Software Security  
Software Design  
Programming Languages  
Dependable Software Systems