

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	BS/MS in Computer Science, Drexel University Philadelphia, PA
	<ul style="list-style-type: none">Cumulative GPA: 4.0Graduating with honors from the Pennoni Honors CollegeMember of Upsilon Pi Epsilon International Honor SocietyTeaching assistant for the College of Computing and InformaticsActive member of an advanced algorithms-focused reading group

Experience

	Bentley Systems Philadelphia, PA
04/2018 - 09/2018	<i>Software Development Co-op (iModel Tools)</i> <ul style="list-style-type: none">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> <ul style="list-style-type: none">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.
	Susquehanna International Group Bala Cynwyd, PA
04/2016 - 09/2016	<i>Software Development Co-op (Monitoring, Management, and Automation)</i> <ul style="list-style-type: none">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.
	Siemens Healthcare Plymouth Meeting, PA
07/2015 - 09/2015	<i>Software Engineering Intern (Ultrasound division)</i> <ul style="list-style-type: none">Developed encryption algorithm for generation of system license keys. Created MySQL database to restructure existing MATLAB scripts and reduce configuration time by half.

Active Projects

	Digital Pathology
08/2018 - Present	<ul style="list-style-type: none">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.

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	● ● ● ● ● ○
JUnit	● ● ● ● ● ○
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