

Software Developer Software Developer Software Developer - Incentive Technology Group  
Lewisburg, PA Recent graduate of computer science and computational mathematics with six years of professional software engineering experience that complements scientific research-oriented coursework. Accustomed to working as part of a team as well as spear-heading individual development efforts. Authorized to work in the US for any employer Work Experience Software Developer Incentive Technology Group - Arlington, VA June 2014 to Present Perform multiple duties as a member of an Agile team developing a new web app for a government client. Contribute to development of Angular/TypeScript front-end project and Java EE back-end REST project. Spearheaded development of Maven plugin to convert back-end Java models into equivalent TypeScript models, saving the front end workers from duplicating code and introducing inconsistencies. Spearheaded Bootstrap upgrade and resolved breaking changes. Develop BIRT Reports using Eclipse, facilitating data awareness for clients and developers. Added requested enhancements to enterprise-level company-wide password safe, a Java Spring-based web app with GWT UI connected to a MySQL database via Hibernate. Added features to open source PHP web app for asset tracking that uses Laravel web framework. Developed Python modules for OpenERP installation. Wrote Python and Bash scripts to interact with large amounts of data on a Raspberry Pi, using RabbitMQ and AWS services, including S3, Cognito, and Kinesis. Wrote instructional documentation for both users and developers. Capstone Project Rochester Institute of Technology August 2018 to December 2019 \* Developed proof-of-concept to incorporate fully homomorphic encryption into a highly efficient data analytics platform to support secure data analytics and machine learning on encrypted data in the cloud. \* Built on a custom C++ shared library for FHE utilized by Apache Spark Scala modules, available for use in Java and Scala code.

Software Developer Intern Definitive Logic - Arlington, VA June 2011 to August 2013 Migrated company website from static PHP pages to Drupal, a content management system (CMS). Used Google APIs, Google Apps Script, Google gadgets, and Google Sites in order to migrate company portal to Google. Developed customized dashlets and workflows in Alfresco, an Enterprise Content Management System (ECMS) using the Alfresco JavaScript API and Alfresco web services

to create a Training Request Management System. Education Master's in Computer Science  
Rochester Institute of Technology - Rochester, NY August 2017 to May 2019 Bachelor's in  
Computational Mathematics Rochester Institute of Technology August 2013 to May 2017 Skills  
Visual studio, C/C++, Docker, Git, HTML, JavaScript, TypeScript, ORM, Python, Eclipse, Java,  
JBoss, MySQL, SQL, Maven, EC2, Apache, CSS, HTML 5, JQuery, Angular, PHP, MATLAB

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