Tech Jag

911 W. North St.
317-555-1234
techjag@iupui.edu

Education

Indiana University Purdue University Indianapolis (IUPUI) - Indianapolis, IN — Expected Graduation: May 2015
Cumulative GPA: 4.00

Bachelor of Science in Computer Science
Concentration in Network & Computer Security
Minor in Mathematics

Computer Science Club President — 2012-2015
Science Ambassador — 2012-2015

Projects

Holleran Consulting Client and Project Management System
Group semester project for Object Oriented Design and Analysis. My role was to develop interactive interface elements to display processed, adaptive data from the database.
PHP, MYSQL, JavaScript, Bootstrap, Agile, Extreme Programming

Shen Lab Interactive Brain Research-Data Visualization App
Long term, solo project for the IU Shen Laboratory. My role was to develop and deploy a full featured web app for accessing and searching an archive of imaging genomics research papers as well as providing aggregated result visualizations.
Python, Django, MYSQL, CGI Scripting, VTK, D3.js

Relevant Courses

Security in Computing
Advanced Network Security
Cryptography
Object-Oriented Analysis and Design
Algorithm Design, Analysis, and Implementation
Principles of Computer Networking

Skills

Programing Languages — Java, Python, C++, C, JavaScript, PHP, SQL
Development Methods — Agile, Scrum, Extreme Programming, Test Driven Development
Skills — Algorithm Analysis, Object-oriented Design

Experience

Indiana University, Computing II and Security in Computing — Jan. 2015 - Current
Teaching assistant, recitation leader, and grader for the second introductory computer science course and a grader for Security in Computing, a core elective.

- Tought weekly classes to review lecture material and support deeper understanding.
- Graded homework for over 60 students.

IU School of Medicine, Department of Radiology and Imaging Sciences — Nov. 2012 – Jan. 2015
Undergraduate Internship in the IU Shen Laboratory, a multidisciplinary research lab focusing on bioinformatics and medical imaging computing related to brain disorders and disease.

- Created scientific data visualization tools to display brain volumetric data.
- Wrote programs to process large, macroscopic, connectomics datasets.