

CHRISTOPHER DANHEE CHOI

EXPERIENCE

Jan 2017 - Present
Seattle, WA

Amazon.com, Inc. - U.S. Topology Team under Supply Chain Optimization Technology - Inventory Planning Software Development Engineer II

Long Term Topology Optimization Tool
Last Mile Model Tool
Supply Chain Optimal Topology Tool

Jan 2015 - May 2016
Champaign, IL

State Farm - Research and Development Center Intern - Systems

Twitter Mining Project:

Implemented Python program that measures the time to collect the reply tweets to the congratulatory tweets and visualize it into graph using Twitter Streaming API and REST API.

RDC Website Redesign Project:

Redesigned and developed the prototype of new RDC website using ExpressJS, AngularJS, NodeJS, CouchDB, and other web development languages such as HTML, CSS, JavaScript.

Next Generation Imaging System Project:

Researched and developed a prototype of database system which can provide large amount of extracted text information from image file faster using Hadoop, Hbase, MapReduce, and Tesseract-OCR in Java Programming Language.

DRIVES Eye-Tracking Project:

Created video data collection program using Python programming language and OpenCV library in order to use the data for eye-tracking algorithm accuracy test.

Researched on and learned about eye-tracking algorithm using OpenCV library in details and wrote a report for the next interns to work on this project.

Aug 2015 - Dec 2016
Champaign, IL

University of Illinois at Urbana-Champaign DRES Research Assistant - Web Developer

Worked for Dr. Gunderson in the Division of Disability Resources & Educational Services at UIUC.

Redesigned and upgraded the frontend and backend of OpenAjax Accessibility example website using HTML, CSS, JavaScript, Django, and PostgreSQL stack.

Oct 2014 - May 2015
Champaign, IL

EP Purification, Inc. Intern - Software Engineer

Designed and developed Node.js based monitoring software for the products by implementing serial port connection between Arduino and PC using programming languages: HTML, CSS, JavaScript, jQuery, Socket.IO, and Node.js Stack.

Learned and coded in Arduino programming language in order to use Arduino to monitor the product's status online.

Added Bluetooth feature to the product using Bluetooth modules and Arduino programming.

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EDUCATION

**University of Illinois at Urbana-Champaign
BS in Statistics and Computer Science - 3.36/4.0
Minor in Mathematics**

Graduated in December 2016
Edmund J James Scholar 2013 - 2014

INVOLVEMENT

**International Advertising Mob
Tech Team Director**

Fall 2014 Portfolio Project:

iamuiuc.com/portfolioofa14/portfolio_fa14.html

Created and designed web portfolio page using HTML, CSS, JavaScript, jQuery.

IAM Website:

iamuiuc.com

Managed/fixes errors in the current website and kept track of visitors using Google Analytics.

Supervising and assisting two web developers and one UI designer to remake the current website.

SKILLS

Web Development:

HTML5, CSS3, JavaScript, jQuery, NodeJS, AngularJS, ExpressJS, Twitter Bootstrap, D3.js, Google Web Toolkit, Spring Framework

General-Purpose Programming Language:

Java, C/C++

Scripting Programming Language:

Python, Ruby

Mobile Development:

ionic, Swift

Database:

MySQL, MongoDB, CouchDB, Hadoop, Solr, Hbase

Tools:

Microsoft: Words, Excel, PowerPoint, Access
Adobe: PhotoShop, InDesign,
Others: QGIS, Postman, Tesseract OCR, Inno Setup 5