Jacob Beauchamp

jacobbeauchamp.com • github.com/jake17007 • linkedin.com/jacobbeauchamp
(219) 379-7770 • jacobeau@indiana.edu

EDUCATION

COMPUTER SCIENCE, Bachelor of Science – **3.9 GPA**   Expected May, 2018
MATHEMATICS MINOR
Indiana University – South Bend & Bloomington, Indiana

EXPERIENCE

RESEARCH ASSISTANT (Computer Vision)   8/16 – Pres.
Indiana University School of Informatics and Computing – Bloomington, IN

- Developing a deep convolutional neural network to classify images (TensorFlow, Python, Linux)

DATABASE ANALYST INTERN   5/16 – 8/16
Harmony Healthcare IT – South Bend, IN

- Transformed and loaded healthcare data from legacy databases to a web based archive used by healthcare providers (Microsoft SQL Server, SSMS, PostgreSQL, Pentaho, Linux)
- Developed Extract, Transform, Load (ETL) tools that used regularly by our company's data teams (T-SQL, PL/pgSQL, Python)

JR. DATA ANALYST / SOFTWARE DEVELOPER   1/16 – 8/16
VSolvit – Ventura, CA (Working remotely)

- As Technology Lead, guided a six-person team to develop an employee database and web interface now used by the company to manage over 75 interns (Google Apps Script [JavaScript]), Oracle Application Express [APEX], PL/SQL)
- Implemented back-end maintenance on a U.S. Navy legacy web application, modernizing it to current standards, on an Agile team alongside senior developers (Classic ASP, JetBrains YouTrack)
- Developed and wrote software test plans for Quality Assurance team; performed web development testing

RESEARCH ASSISTANT (Online Courseware)   5/15 – 8/15
Indiana University South Bend, Distance Education – South Bend, IN

- Designed and developed an application for recording and analyzing survey response categorization that was a crucial part of our team's workflow (Google Sheets, Google Apps Script [JavaScript])
- Aided a tight-knit, international team including three Ph. D's
- Categorically labeled over 3,000 open ended survey responses written by Masters students critiquing their user experiences with online courseware applications

TECHNOLOGIES

Comfortable With:

• Java	• Python	• SQL
• Git/GitHub	• JavaScript	• HTML/CSS

Have Experience With:

• Node.js	• C/C++	• Visual Basic
• R	• Linux/Unix	• Scheme/Racket

MY PROJECTS

Personal Data Web App // https://github.com/jake17007/PersonalDataWebApp
- Aggregates personal data via API's for analysis (Node.js, MongoDB, Express, AngularJS)

Twitter Mining Sentiment Analysis // https://github.com/jake17007/TwitterMiningProject
- Collects and analyzes Tweets for positive/negative sentiment (R, IBM Watson)

Personal Finance Analyzer // github.com/jake17007/R-Stuff/tree/master/MintAnalyzer
- Reports summary statistics of personal financial transactions (R, Mint.com)

Personal Website // github.com/jake17007/jake17007.github.io
- Personal Website, jacobbeauchamp.com (JavaScript, jQuery, HTML5, CSS3, JotForms, GitHub Pages)

CLASSES

Data Structures, Design and Analysis of Algorithms, C and Unix, Machine Learning, Discrete Structures

AFFILIATIONS

CODE FOR AMERICA: *HACK MICHIANA*   2014 - 2015

LOCAL VARIABLES MEETUP – SOUTH BEND, IN   2014 - 2016

RECOGNITION

Indiana University Cox Legacy Scholarship   (Full-ride scholarship to Indiana University)   2016