Yvan Soetarman

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EXPERIENCE

Data Analyst Intern, Brake Parts Inc.   *McHenry, IL; July 2017 – August 2017*
- Developed an SQL Server database implementation for Master Caliper Component Specs Database
- Deciphered engineering drawings of caliper components to load into the Master Component database
- Wrote a Python script that successfully allows user to update and view database more efficiently
- Built a TkInter GUI application that cleanly displays database query information for the user
- Performed data manipulation and cleansing to ensure accuracy of catalog and interchange caliper data

DevOps Team Core Member, WATonomous   *Waterloo, ON; September 2017 -*
- Student Design Team selected to represent the University of Waterloo in the SAE AutoDrive Challenge
- Worked with valgrind to write a Bash script to manage memory, helped add gtest to team pipeline
- Set up continuous integration pipelines in GitLab to automate building, linting, and testing for team codebase

Coach and Referee, Upward Sports   *Grayslake, IL; December 2011 – March 2016*
- Responsible for organizing practices, devising game plans, and managing player rotations
- Focused on player skill development as well as relaying player feedback during practices and games

PROJECTS

"Quadris", Class Project   *December 2017*
- Produced a Latinized version of the popular game Tetris with two other students taking the course
- Written in C++ with a focus on utilizing appropriate object oriented principles and design patterns

"Low Key 911", WildHacks   *November 2016*
- Collaborated on four-person team to design a Node.js app accompanied by an Android WebView client
- Application allows for a user to silently send a 911 voice message as well as their location making use of a Twilio API call customized based on their situation

"BlockShooter"   *May 2013*
- One of a few basic Android apps developed and designed through the use of MIT App Inventor software
- Player controls a space ship to battle an AI ship that increases in ability as more points are accumulated

TOOLS, & RELEVANT COURSEWORK

- **Programming Languages:** Python, SQL, C, C++, Bash, HTML/CSS, Racket/Scheme, JavaScript
- **Tools:** Git, SQL Server Management Studio, Microsoft Excel, Unix and Windows based OSes
- **Relevant Courses**: Functional Programming (Racket/Scheme), Algorithms and Data Structures (C), Introduction to Probability and Probability Models, Object Oriented Software Development (C++)

FORMAL EDUCATION

University of Waterloo: Bachelor of Computer Science, Business Option   *Waterloo, ON; 2016 -*
- Candidate for Joint Major in Statistics
- President's Scholarship of Distinction, awarded for high entrance average