NATHAN A PETERSON

Cell: 1-765-585-6279
Home: 1-765-762-2336

310 E Jackson Street, Attica IN 47918
Email: nalexpeterson@gmail.com

Website: Portfolio Site
GitHub: NathanPeterson

Education:

Bachelors of Science: Computer Science: GPA: 3.44
Ball State University – Muncie, IN
Expected Graduation Date: Fall 2017

Associate of Liberal Arts: GPA: 3.00,
Ivy Tech Community College – Lafayette, IN
Graduation Date: Spring 2015

Associate of Science: Pre-Engineering,
Ivy Tech Community College - Lafayette, IN
Expected Graduation Date: Spring 2018

Skill Summary:

- Java - Intermediate
- C - Intermediate
- C++ - Intermediate
- MATLAB – Basic
- Python - Basic
- Web development
- Arduino Microcontrollers
- Databases
- Android Studio
- GPS controllers
- Hydraulics
- AutoCAD
- Inventor
- Solid Works
- Linux/Windows OS
- Operation of factory equipment
- Operation of material testing Apparatuses

Work Experience:

Xtern Bootcamp Intern, 05/2016 – 07/2016
Tech Point, Indianapolis, IN 46201
- 1 of 25 Selected for the inaugural Xtern Bootcamp Internship in Indianapolis.
- Worked on many projects based around web development and MEAN stack.

Programmer, 07/2015- Present
Anderson University – Anderson, IN 46012
- Assisted Ball State's Neuroscience Professor in designing hardware for her next research project.
- Worked with Real Time Programming to do away with time delays between human input and a microcontroller.
- Worked on communicating an Arduino with a sound board and a switch device with minimal delays for the most accurate data

Laboratory Technician, 07/2014 to 06/2015
Ivy Tech Community College – Lafayette, IN 47903
- Installed GPS Auto Steer System on Kubota RTV.
- Integrated Auto Steer hydraulic components into existing hydraulic system.
- Integrated Auto Steer electrical components into RTV electrical System.
- Set up and ran simulations to investigate solidification/dissolution behavior of colloidal systems.

Projects:

HomeBrewYo, 03/2016 - 05/2016
- Android App to assist in brewing beer.
- Took leadership over a 3-man team, worked mostly on the back-end parser.
- Produced with Android SDK and Java.

Anderson Research Project, 07/2015 – 06/2016
- One of two programmers in a team of Six.
- Created sound generation order algorithm.
- Worked on system interrupts when input was added.
- Produced with Arduino Mega, and C.

Particle Size Distribution, 03/2014 - 05/2014
- PSD was broken down into three sections:
  -Conversions
  -Modeling the Gaussian frequency
  -Packing in particles into a certain domain.
- Individual Project at Ivy Tech Community College.
- Produced with MATLAB.
- Resulted in getting my first programming job at Ivy Tech, working alongside Professor.
- Wrote similar algorithm to simulate Professor's Research in Python and C++.

Course Work:

- College Algebra
- Trigonometry and Analytic Geometry
- Calculus I
- Calculus II
- Discrete Math
- Algorithms
- Java
- C
- Engineering Design
- Geometric Modeling for Visualization
- Engineering Design
- CAD Fundamentals
- Residential Design
- Architectural Design
- Intermediate CAD
- MATLAB and C++
- Materials & Processes
- Database Programming
- Chemistry I
- Mechanics
- Ethics
- Latin
- Android Development
- Computer Architecture

Additional Information:

Accomplishments
- Student Ambassador Program
- Ivy Tech's Dean's List
- Ball State University's Dean's List
- Trained in Business Etiquette
- 3 Years Spanish | 2 Years Latin
- Assisted in a Materials Science Research Project
- Scrum-Agile 2-day Training Course

Volunteer Work
- Paws n' Claws Humane Society
- New Community School in Lafayette, IN
- Purdue's "Amazing Race "2012
- Trinity Mission Building Shelves
- Ivy Tech's Science Olympiad
- Bi-annually donate Blood to the Indiana Blood Center
- Soul Food through Bridgeway Community Church