# Arun Arjunakani

aarjunak@purdue.edu

(224) – 634 – 8523

721 Cutters Mill Court Schaumburg, IL, 60194

Personal Website: www.arunarjunakani.com

LinkedIn: www.linkedin.com/in/arunarjunakani

Github: www.github.com/arunarjunakani

## Education

**Purdue University – West Lafayette, IN**                                                          December 2019

Bachelor of Science: Computer Science

Notable Coursework: Data Structures and Algorithms, Computer Architecture, Software Engineering

Notable Activities: Association for Computing Machinery (ACM), Purdue Hackers

**Illinois Mathematics and Science Academy (IMSA) – Aurora, IL**                August 2013 – June 2016

Chosen to be part of a class of 200 students at a rigorous, residential STEM school.

Notable Coursework: Advanced Programming, Graph Theory, Bioinformatics

**Coursera**

Notable Coursework: Machine Learning, Algorithms: Design and Analysis, Computer Architecture

## Experience

**Software Development Intern – Art of Problem Solving**                                 May – July 2018

- Worked on frontend development for an online adaptive learning platform for young children grades 2-5
- Used ReactJS, Node, HTML Canvas, and CircleCI
- Modified a large codebase with hundreds of users

**Data Analyst Intern – Balfour Corporation**                                              May – July 2017

- Worked with the Google Analytics to track user activity within an ecommerce site
- Became familiar with the Google Analytics Events API

**Resident Student Leader – IMSA**                                                 August 2015 – June 2016

- Mentored 24 students at my residential high school and coordinated events to create a safe and healthy environment
- Collaborated with nine other resident student leaders to plan events for the entire hall

## Projects

**Catan**                                                                                      July - Present

- Developed an implementation of the multiplayer board game "The Settlers of Catan" using ReactJS.
- Source code : https://github.com/arunarjunakani/Catan

**Riddle Solver**                                                                            February 2017

- Created an algorithm to solve the Einstein's Riddle grid puzzle and generalized the algorithm to solve any type of grid puzzle.
- Source code : https://github.com/arunarjunakani/RiddleSolver

**Arloper's Algorithm**                                                                     December 2016

- Developed and implemented a heuristic algorithm for the Travelling Salesman Problem using Java and JavaFX.
- Source code : https://github.com/arunarjunakani/ArloperAlgorithm

**Chat Insights**                                                                           November 2016

- Worked on a full-stack Facebook Messenger analytics tool with natural language processing for "VandyHacks III".
- Source code : https://github.com/arunarjunakani/Chat-Insights

## Skills

**Technical:** Java SE 8, HTML+CSS, C, C++, JavaScript, JQuery, AngularJS, ReactJS, Node.js, Bootstrap, R, PHP, MySQL, Vue.js

**Tools:** Git, Bash, Inkscape, LaTeX, RStudio

**Other skills:** Leadership, Public Speaking, Organization

## Certifications

Oracle Certified Associate, Java SE 8 Programmer