

# Arun Arjunakani

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## Education

### Purdue University – West Lafayette, IN

May 2019

Bachelor of Science: Computer Science

Notable Coursework: Data Structures and Algorithms, Computer Architecture

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

## Projects

### Riddle Solver

February 2017

- Created an algorithm to solve the Einstein's Riddle grid puzzle and generalized the algorithm to solve all grid puzzles.
- 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>

### Champion Builder – <https://arunarjunakani.github.io/ChampionBuilder/>

October 2016

- Developed an Angular JS application based on the game League of Legends that allows the user to try out different item builds for different champions.
- Source code: <https://github.com/arunarjunakani/ChampionBuilder>

## Experience

### Data Analyst Intern – Balfour Corporation

May – July 2017

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

### 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

### Excel Tutor – IMSA

July 2015

- Tutored a group of 41 students in a two-week pre-enrollment program to prepare them for the upcoming school year.
- Collaborated with 9 other tutors to develop lessons plans and teach mathematics, chemistry, and biology

### Student Researcher – Loyola University in Chicago

August 2014 - April 2015

- Designed software to collect activity recognition data from patients rehabilitating from physical injury.

## Skills

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

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

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

## Certifications

Oracle Certified Associate, Java SE 8 Programmer