

Arun Arjunakani

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Personal Website: www.arunarjunakani.com
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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

September 2018 - 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