

Nikita Agarwal

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EDUCATION

CARNEGIE MELLON UNIVERSITY

BS IN COMPUTER SCIENCE

Expected May 2019 | Pittsburgh, PA

Minor in Machine Learning

School of Computer Science

LIVINGSTON HIGH SCHOOL

Grad. June 2015 | Livingston, NJ

GPA: 4.6 , Top 10 in class

LINKS

Github:// [nikitaagarwal](#)

LinkedIn:// [nikitaagar](#)

COURSEWORK

UNDERGRADUATE

Principles of Imperative Computation
(15-122)

Concepts of Mathematics (21-217)

Matrices and Linear Transformations
(21-241)

MOOCS

Machine Learning

Computational Finance I

SKILLS

PROGRAMMING

Java • C/C++ • Python

HTML/CSS • Javascript • PHP

Swift • Ruby on Rails • Arduino • PHP •

Shell

TECHNOLOGIES

Django • D3 • NLTK • node.js • jQuery •

Adobe Photoshop • Maya 3D • RAKE

OTHER

Public speaking • Leadership • Data
analysis • Chess

AWARDS

2015

- Grady Public Service Award Scholarship
- Future Business Leaders Scholarship

2014

- NJ Girls State Delegate
- AP Scholar with Distinction
- Edison Invention Challenge - 1st Place

EXPERIENCE

CARNEGIE MELLON UNIVERSITY | TEACHING ASSISTANT FOR PRINCIPLES OF IMPERATIVE COMPUTATION, 15-122

Fall 2016 | Pittsburgh, PA

JOHNSON AND JOHNSON | DATA SCIENCE INTERN

May 2016 - Aug 2016 | Raritan, NJ

- Developed web app to track pharmaceutical asset development for internal communications, implemented Machine Learning algorithms and d3.js graphs for pharmaceutical data analytics
- Developed data mining algorithms using clustering for clinical trial data and utilized natural language processing services to assess customer needs
- Created Data Science Team website featuring the team and keystone projects, implemented Microsoft Sharepoint API for editor flexibility

CARNEGIE MELLON UNIVERSITY | GOOGLE-CMU SUMMER PROJECT DEVELOPER

May 2016 - Aug 2016 | Remote

- Worked under Google-funded grant to develop curriculum for online course
- Created homework assignments and online tutorials teaching data structures, correct imperative implementations, and algorithm constructions

GALLAGHER BENEFIT SERVICES | EXECUTIVE COMPENSATION INTERN

June 2014 - Aug 2014 | New York, NY

- Conducted research and data analysis for Forbes Top 200 Companies 2013
- Used bash shell scripting to allow users to efficiently write to data sheets
- Published work in Gallagher's 2013 Annual Compensation Report

PROJECTS

CHROME-PARSER

- Wrote Google Chrome extension that parses through browser text to manipulate on-screen corpus
- Flexibility for user to change which keyword to replace

"POKÉMON" PC GAME SIMULATION

- Created game modeling the 4th generation Nintendo Pokémon
- Generated interactive graphics using RGB generated pixelation in Adobe Photoshop and sprite sheets
- Wrote complete user interface using conditional algorithms

BRAILLING 2.0

- Created an assist device for the visually impaired as part of the Edison innovation challenge
- Developed design and concept for product that dynamically changes braille text on user command
- Generated working prototype with Arduino circuit board and buttons

EXTRACURRICULAR ACTIVITIES

Present	Alpha Kappa Psi Business Fraternity MARKETING CHAIR
Present	Women@SCS MEMBER
2013-2015	Varsity Girls Tennis Team CAPTAIN
2011-2015	Future Business Leaders of America PRESIDENT