

# Neil Jain

## Software Engineer

A detail-oriented computer science and cognitive science major with professional experience looking to solve real life challenging problems with innovative solutions.

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## EDUCATION

### B.S. in Computer Science and Cognitive Science

Rutgers University - New Brunswick

09/2017 – 12/2020

Current Senior with a GPA:  
3.936/4.000

## WORK EXPERIENCE

### Software Engineering Intern

Lockheed Martin

06/2019 – 08/2019

*Achievements/Tasks*

- Converted multi-billion dollar "Oasis" project into a modern Maven and Cmake architecture cutting down build times by over 25%.
- Actively collaborated on an Agile team to develop a new GUI builder approach in React.js to assist systems engineering teams create specs.
- Took initiative on the internship project by leading a team of interns to create a completely functional Command and Display system to integrate with Makeblock hardware.

### Computer Science Teacher

SteamWorks Studio

06/2018 – 08/2018

*Achievements/Tasks*

- Created and presented over 75 hours of detailed coursework that taught well known programming techniques and conventions.
- Applied knowledge of Artificial Intelligence and Neural Networks to successfully create a classifier with 95% accuracy and no imported packages.
- Managed teachers and classroom students for over 8 weeks to teach Computer Science and other fields of studies with a 95% passing rate.

### Front-End Engineering Intern

Cosmolex

06/2017 – 08/2017

*Achievements/Tasks*

- Partnered with several professionals to create a website in WordPress viewed by thousands of domestic and international customers.
- Conducted A/B testing to identify bugs and suggest UI improvements within the first month.
- Presented several ideas to senior management to improve efficiency and quality of product.

## TECHNICAL SKILLS

Java

C/C++

Python

SQL

Javascript

Git

Maven

CMake

HTML/CSS

Haskell

Scheme

Node.js

React.js

Kotlin

Android

Prolog

## RELEVANT COURSES

### Computer Science Courses

Data Structures, Computer Architecture, Computer Algorithms, Principles of Programming Languages, Databases, Software Methodology, Introduction to Artificial Intelligence

### Other Relevant Courses

Linear Algebra, Discrete Math I, Discrete Math II, Combinatorial Theory, Mind Machines and Computation

## PERSONAL PROJECTS

MyAppLog.io (06/2020 – Present)

- Developed a fully responsive job application log using the MERN stack and Agile techniques to service over 7,000 consumers.

Token (04/2018 – Present)

- Created a consumer website in React.js, JQuery and PHP that interacts with REST API's to solve a modern credit card payment problem.

## ORGANIZATIONS

Delta Upsilon (09/2018 – Present)

*Vice President of Academic Excellence*

Interfraternity Council (04/2019 – Present)

*Community Affairs Chair*

Nothing But Vocals (09/2019 – Present)

*Vice President*

## RESEARCH

### Using Artificial Intelligence to Improve Transportation Safety

Rutgers University

09/2019 – Present

*Work with a multidisciplinary team to apply suitable AI techniques to improve transportation safety, with a focus on rail and transit systems.*

*Tasks/Achievements*

- Collaborated with senior Ph.D. students to develop and customize AI techniques to solve high-impact, real-world transportation problems.