

# 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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North Brunswick, NJ 📍

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## EDUCATION

### BS in Computer Science and Cognitive Science

Rutgers University - New Brunswick

09/2017 – 05/2021

Current Junior with a GPA:  
3.910/4.000

## WORK EXPERIENCE

### Intern

Lockheed Martin

06/2019 – 08/2019

Aerospace and defense company

#### Achievements/Tasks

- Converted the multi-billion dollar "Oasis" project into a modern Maven and Cmake architecture deployed to a Jenkins server cutting down the time to build by hours.
- Collaborated on an Agile team to develop a new GUI builder approach in React.js to aid systems engineers in creating their specs.
- Participated in the intern project and produced a complete Command and Display system to integrate with Makeblock hardware.

### Computer Science Teacher

SteamWorks Studio

06/2018 – 08/2018

#### Achievements/Tasks

- Trained and taught courses such as Machine Learning, Advanced Java, and Arduino.
- Used languages such as Java, Python, Arduino, C, and more to create fun practice projects to teach students of all ages.
- Created an AI neural network in python to classify whether a picture had a bird or not.

### Intern

CosmoLex

06/2017 – 08/2017

Law Practice Management Software

#### Achievements/Tasks

- Partnered with several professionals to create a website in WordPress viewed by thousands of users.
- Organized data to be processed and used by the company to cut costs and obtain several more clients in a targeted manner.

## SOFT SKILLS

Problem-solving

Self-management

Organization

Collaboration

Critical Thinking

Detail Oriented

## TECHNICAL SKILLS

### Languages and Frameworks

Java, C, X86 Assembly, Python, SQL, Haskell, Scheme, C++, JavaScript, Node.js, React.js, Git, Maven, Cmake, HTML, CSS

### Relevant Coursework

Data Structures, Computer Architecture, Discrete I & II, Linear Algebra, Principles of Programming Languages, Computer Algorithms\*, Principles Of Information and Data Management\*

## PERSONAL PROJECTS

### Token (04/2018 – Present)

- Created a consumer website in React.js, JQuery and PHP to solve a modern credit card problem
- Interacted with REST API's to create an innovative business-to-user program to simplify group payments

### Y86 Emulator (06/2018 – 08/2018)

- Implemented a C interpretation of the fetch-decode-execute cycle on AT&T Y86 machine instructions to create a functional emulator
- Wrote short modular code that to aid with debugging of the project

## ORGANIZATIONS

### Delta Upsilon (09/2018 – Present)

Vice President

### Interfraternity Council (04/2019 – Present)

Community Affairs

### Rutgers Tennis (09/2017 – Present)

Active Member

## RESEARCH

### Using Artificial Intelligence to Improve Transportation Safety

Rutgers University

09/2017 – 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.