

# Thomas Braun

Software Engineer

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## Education

### Stevens Institute of Technology

Hoboken, NJ | Graduation May 2019

GPA: 3.5

**Master of Science, Computer Science**

Deans List of Distinguished Students

Edwin A. Stevens Scholarship

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## Coursework

Artificial Intelligence • Data Structures • Algorithms • Unix Systems Programming • Introduction to Programming in Python • Computer Graphics Programming • Discrete Math • Linear Algebra • Calculus • Web Programming

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## Skills

**Languages** | Proficient

C • C++ • Java • Python

**Languages** | Familiar

C# • JavaScript

**Frameworks and Tools**

Git • OpenGL • OpenNLP • OpenCV •

MySQL • Docker • JUnit

**General**

Linux • Agile Software Development •

Unity • Amazon Web Services •

Maven • Eclipse

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## Projects

### Crypto Currency Exchange

Creating a crypto currency exchange with a team. Working with Electron, ReactJS, HTML, CSS, and JavaScript.

### Rush Hour Jr

Implemented two solutions to solve the Rush Hour board game. One uses Iterative Deepening Depth First Search, other uses A\*

### Sudoku Belief Propagation

Implements a belief propagation algorithm to solve easy to medium level Sudoku boards.

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## Experience

### RBC Capital Markets | Software Engineer Intern

New York, NY | June 2017 - August 2017

- Developed a Chat-Bot with functionality for trading desks.
- The bot is written in Java, and uses OpenNLP, Spring, Amazon Web Services, and various REST API's.
- Functionality covers querying the Internet for market data and news, analyzing the queried market data, as well as reading / writing to internal Salesforce database.

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### Nokia (Bell Labs) | Software Engineer Intern

New Providence, NJ | January 2016 - August 2016

- Worked in a small team developing new uses for an internally developed motion tracking algorithm.
- Designed multiple small games and interactive exhibits to demonstrate these uses.
- Applications were written in C++ using OpenCV, and assets were made in Autodesk Maya.

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### Jet | Winter QA Intern

Hoboken, NJ | Dev 2016 - Jan 2017

- Provided Quality Assurance checks for the site, using Jet's internal tools.
- Pushed new products onto the site from Excel spreadsheets.
- Ensured top quality User Experience