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

Coursework

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

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

Projects

Computer Vision Art
Created an interactive art application using OpenCV, Python and Unity.

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.

Experience

RBC Capital Markets | Technology Analyst Intern

New York, NY | June 2017 - August 2017

Worked in a team using Agile methodologies to create 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, and reading / writing to internal databases.

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.

Jet | QA Intern

Hoboken, NJ | December 2016 - January 2017

Provided Quality Assurance checks for the site, using Jet's internal tools. Took products from Excel spreadsheets and pushed them onto the site.