

## Career Objective

With an insatiable appetite for self-learning and creative problem-solving in the area of open-source software projects, followed by formal education in Computer Science earning a 3.978 GPA, the next step is to apply these disciplines by engineering software that solves the needs of a particular enterprise and its stakeholders.

## Formal Education

- [Thomas Edison State University](#),  
[Bachelor's in Computer Science](#)

- GPA: 3.978
- Five President's List Achievements
- Two honor society invitations
- Graduated Dec. 2021
- View [Diploma](#) and [Transcript](#)

Career-specific transcript:

- [Rutgers University](#), [Bachelor's of Music](#), GPA: 3.011,  
Two Dean's List Achievements, Graduated May 2005

Course	Grade	Term
System Analysis & Design I	99%	June '21
Software Engineering	100%	Mar. '21
Database Management (SQL)	96%	Mar. '21
Artificial Intelligence	97%	Feb. '21
Computer Architecture	97%	Oct '20
Calculus I	94%	Oct '20
Discrete Mathematics	93%	June '20
Python Programming	94%	June '20
Data Structures (in Python)	96%	Dec. '19
Operating Systems	93%	Dec. '19
C++ Programming	98%	Sept. '19

## Certifications, Additional Coursework and Training

- [Codecademy](#), [Full Stack Engineer — Career Path](#) (Covering HTML, CSS and JavaScript with the MERN Stack, which includes Node, React and Express), Sept. '21 ~ Feb. '22
- [ColumbiaX \(Columbia University via EdX\)](#) [CSMM.101x Artificial Intelligence](#) Taken in parallel with Thomas Edison State University's AI course as it uses the same textbook but includes work implementing AI algorithms in Python. Feb. '21 ~ Apr. '21
- [C++ Institute](#), [CPA – C++ Certified Associate Programmer](#), Completed May 2015. [View Certificate](#)
- [CoderManual](#), [Complete Web Developer Bootcamp with Rails](#) (also covering Git/GitHub, JQuery and Bootstrap) Aug '15 ~ Oct '15

## Selected Projects

- **JavaScript (Node), React, Next.js and TailwindCSS**
  - [next-markdown-journal](#) — A personal journal, blog and portfolio website built in Next.js with content authored in MDX files (Markdown with JSX support) and TailwindCSS. Dec. '21 ~ Present.
  - [spelunker-node-shell](#) — “speLunker() sends your guy into the shell and brings back the goods quicker than going in and out for each command.” The goal of this project was to limit I/O with the shell and thus increase performance. Last commit: Jun. '16
- **CSS/SCSS, Bootstrap and HTML**
  - [jeffpack-for-wordpress](#) — A WordPress Plugin / Theme for editing sites from a local machine with installing & updating the deployed site done via Git. Last commit: Jan. '17
  - [scoped-bootstrap](#) — Apply Bootstrap only to specified HTML elements. Last commit: Aug. '16
  - [PlastiCSS](#) — A SCSS (Sass) library to generate CSS for pages without horizontal scrolling. Last commit: Mar. '16
- **Ruby and Ruby on Rails**
  - [markdown.design](#) — A real-time web page generator assembled from simple markdown documents. Last commit: May '16
  - [gfunc-gem](#) — The gfunc Ruby gem is a small collection of multi-purpose utilities. Last commit: May '16
- **C++ & DSP**
  - [AdlibBlaster](#) — MacOS port of [bsutherland/JuceOPLVSTi](#) — A VST instrument which emulates the Yamaha OPL sound chip used in PC sound cards from the 90s. Last commit: Feb '16
  - [jATK](#) — Jeff's (JUCE) Audio ToolKit — A DSP audio synthesis library. Last commit: Jun. '15
- **Git and various Terminal Utilities (Bash Scripts)**
  - [gits](#) — Initialize and toggle between multiple Git repositories from the same main working directory. Last commit: Oct. '16
  - [bash-boolean-helpers](#) — Adds 'truthy' and 'falsy' to Bash with better, cleaner syntax. Last commit: Jun. '16
  - [bashquicks](#) — Staple bash scripts for common tasks. Last commit: May '16