Scott Mangiapane

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Education

Purdue University   2015 - 2019
Bachelor of Science in Computer Science
Specializing in software engineering and systems programming.

Experience

GoDaddy   Summer 2017, 2018
Software Development Intern
- Worked with a team of senior engineers to build the API and dashboard for GoDaddy's new virtual private server platform
- Took leadership on new features including a tool to give support agents secure access to customer machines
- Wrote extensive test cases to ensure product stability
- Wrote code which was deployed in production worldwide
- Used Java, JavaScript, React, PostgreSQL, and Node.js

Projects

Database Manager   Node.js
A cross-platform desktop app that lets users visually browse the contents of PostgreSQL databases and run queries. It uses Node.js, Vue.js, Electron.js and PostgreSQL.

Fiscus   Node.js
A dynamic web app that lets users manage their stock portfolios with real-time data and visualization features. It was featured in a Purdue Department of Computer Science news article as one of the best senior projects of 2018.

TI Games   Axe
A collection of games for the TI - 84 graphing calculator written in a low-level language similar to C. Notable features include the implementation of grayscale on black/white hardware as well as multiplayer functionality over a USB cable.

QuackCryption   Android
A whimsical yet functional Android app designed to encrypt strings of text into duck noises. Received the MLH award of "Best Developer Tool" in SpartaHack 2016. It's "unquackable"!

Skills

Programming
- Java
- JavaScript
- C / C++
- SQL
- Node.js
- Python
- Web Apps
- Android

Course Work

- Computer Networks
- Computer Security
- Information Systems
- Operating Systems
- Software Testing
- Systems Programming
- Software Engineering
- Data Structures & Algorithms
- Computer Architecture
- Programming in C
- Foundations of CS
- Object Oriented Programming

Awards

Purdue Presidential Scholarship
- Merit based scholarship awarded to the top 12% of the incoming freshman class
- Based off of high academic achievement and community leadership

Websites

- scottmangiapane.com
- github.com/scottmangiapane