

Scott Imandt

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EDUCATION

Stony Brook University
BS in Computer Science

Stony Brook, NY
May 2024

SKILLS

- **Programming Languages:** Java, JavaScript, Python, C, C++, Assembly
- **Programming Technologies:** Mongo, Express, React, Node, Mongoose, Material UI, JavaFX, Tkinter
- **Technology:** Programming Environments (Eclipse, Visual Studio Code, Net Beans, Arduino IDE, Sublime), Computer Bios System, Fusion 360 C.A.D Software, EasyEDA PCB Design, 3D Printing Software (Cura, Sli3r, OctoPrint), Arduino, Raspberry PI, Unity Game Engine, Unreal Game Engine, Blender, Linux based operating systems

RESEARCH PROJECTS

VIP Biomedical Engineering Team, CICAidA, XCode Project

Stony Brook, NY

Software Developer for Custom Hardware Team and Team Leader

January 2023 - December 2023

- Assisted the team in optimizing current hardware implementation by directing the team to focus on portability, power consumption, hardware design, cosmetic design
- Deployed Xcode backend Application to Stony Brook University Computer Science Department Servers
- Built Prototypes using technical techniques (Soldering, Circuit Creation) for prototype testing
- Spearheaded new technology methods such as (PCB Design, Circuit Redesign) to assist in optimization methods
- Utilized version control software to create a streamlined workflow

Game Developer Project, Earth Uncharted

Stony Brook, NY

Software Developer and Prototype Team Leader

January 2023 - December 2023

- Prototyped a proof-of-concept Python application with a team of developers to test game concepts and design strategies
- Developed a Unity Engine game utilizing map data formats such as (Shapefile, GeoJSON) and developed key game functionalities such as GeoJson file loading, line rendering, and our line grading algorithm
- Hosted a public playtest of our Unity Engine game and solicited player feedback to incorporate into future development
- Created UML Diagrams and Flow Diagrams to create a blueprint for game development

PROJECTS

M.E.R.N Application, DIYTaskTracker.com; Mongo | Express | React | Node

- Published website that tracks user's maintenance on D.I.Y jobs and informs the user when maintenance is required
- Utilized **Material UI API** to create a clean user interface design with the react component design strategy
- Created a User Authentication System utilizing JSON Web Tokens and salted hashed passwords
- Published and hosted website online using a custom domain and CNAME/A name DNS routing

Hiking App, [Trail Recorder](#); Java | JavaFX | SQL

- A Java Application that utilized a user login system that allowed users to search and add custom hiking trail data. This application also allowed users to upload personal hiking information using the custom trail data
- Enhanced knowledge of data Structures by creating a Java application that stores user and hiking trail information.

Website JSON Editor, [Website JSON Editor](#); Python | tkinter | JSON | File I/O

- Designed and implemented a graphical user interface (GUI) application tailored for editing JSON files utilized by my personal website, resulting in heightened efficiency in website maintenance and updates.
- Enhanced proficiency in object-oriented and scripting programming methodologies, complemented by practical experience in file I/O operations

WORK EXPERIENCE

Biomedical Engineering Department

Stony Brook, NY

Research Assistant for Software Development

January 2024 - Present

- Identified and addressed inefficiencies in multiple research project's documentation, communication, and testing, leading to streamlined development progress
- Collaborated with faculty to develop engaging and effective lecture material for biomedical engineering courses
- Partnered with teaching assistants to develop and implement engaging assignments for biomedical engineering courses, fostering student learning

Best Buy

Commack, NY

Computer Sales Associate

August 2018 - August 2021

- Relationships selling products, services, and solutions by getting to know customers and helping solve their unique end-to-end needs
- Asking lifestyle questions to understand customer needs thoroughly, and offering relevant services, solutions, and accessories so customers can make informed decisions to complete their purchase.
- Utilize all relevant sales tools to drive profitable growth