Scott Imandt

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EDUCATION

Stony Brook University   Stony Brook, NY
BS in Computer Science   Expected Graduation May 2024

SKILLS

- **Programming Languages:** Java, JavaScript, Python, Assembly, C++, C
- **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, EasyEDA PCB Design, 3D Printing Software (Cura, Sli3r, OctoPrint), Arduino, Raspberry PI,

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
- 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
- Awarded Second Place award in Small Business Development competition

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 Web 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

Personal Website, *ScottImandt.com*; React | MUI | JSON | Node
- Created a custom JSON file loading system to expedite page development to increase efficiency and reduce working time overhead
- Fashioned an attractive simplistic responsive design to allow quick readability and maintain consistency
- Designed website with responsive mobile-friendly design to support multiple platforms

XCode Application, *Backend Deployed on Stony Brook University Server*; Excel | Mongo | Express | Node | Xcode
- Deployed backend server on ubuntu server hosted on official Stony Brook University Servers
- Invented Excel backend application stack in order to rapid prototype application for Stony Brook Hospital to utilize
- Facilitated multiple meetings with Stony Brook Hospital Doctors to identify requirements for application and ensure that application development was in line and on schedule with clients request

WORK EXPERIENCE

Biomedical Engineering Department   Stony Brook, NY
Research Assistant   January 2024 - Present
- Identified and addressed inefficiencies in multiple research projects 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 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
- Assist other departments such as Home Theater, Smart Home, Mobile, and Appliances to help distribute the workload