

Liam Gensel

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Education

The State University of New York at Buffalo
BS in Computer Science, Mathematics Minor

Expected: 05/2019
GPA: 3.90/4.0

Projects

Phat and Phresh | Rap Lyric Generator (Kent Hack Enough - 2017)

- Wrote the backend API and algorithm that generates lyrics based on a dictionary of base words and random rhyming schemes using C# and the .NET Core 2.0 framework.
- Created several different frontends - an iOS app, website, and an Amazon Echo with a custom Alexa skill.
- Produced a music video with a song written from the lyrics generated, and presented at the finals of the hackathon.

TaskTaskTask | A Live Collaborative Nesting Task List (MHacks X - 2017)

- Built a backend with Python (Flask API server) that uses websockets to update the SQL database and clients any time a change is made to a task list.
- Worked on the front-end website built with ReactJS to create a responsive and friendly user experience.

Technical Experience

The State University of New York at Buffalo | CSE IT Helpdesk (10/2015-Present)

- Resolve technical issues experienced by users in the computer science department.

The State University of New York at Buffalo | Teaching Assistant - CSE 199 (08/2016-Present)

- Facilitate the success of over 450 students in an introductory computer science seminar course.

Shift4 Corporation, Las Vegas, Nevada | Development Intern (06/2017-08/2017)

- Built an internal tool for code reviews based on revisions in the SVN repository using C#, .NET framework, and SQL.
- Automated the setup of development environments using Powershell DSC.

Shift4 Corporation, Las Vegas, Nevada | Software QA Intern (06/2016-08/2016)

- Worked with a quality assurance team to find bugs in both web and mobile versions of VT4, a secure point of sale system.

Research Experience

University at Buffalo Nanosatellite Laboratory | Mission Control Software Developer (11/2016-Present)

- Develop a frontend and backend for Mission Control's website using Flask, a Python framework.
- Development of Radio Server, which handles communication to and from the satellite and exchanges data with Mission Control using Redis.
- Store telemetry and other data in MongoDB for use within Mission Control and Radio Server.

Leadership Experience

UB Hacking 2017 | Event Organizer (05/2017-Present)

- In charge of organizing the venue for a 24 hour hackathon.
- Manage a team of student volunteers and organize meetings.

Technical Skills

Languages - Python, C#, C++, Java, JavaScript, HTML, CSS, MIPS

Environments, Tools, & Frameworks - Git, SQL, MongoDB, Flask, Android Development, Visual Studio, .NET Framework

Awards and Certifications

UB Hacking 2015 Winner | ValueCentric - Best Life Enhancing Hack

- Developed an Android app that lists the printing stations at University at Buffalo with the shortest wait time based on the printer queue and distance from user's current location.

CompTIA Network+ Certification