

Blake DeGraw

Full-Stack Developer

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I am a full-stack web developer with a passion for crafting unique user experiences. As an engineer, video game developer, and critically-acclaimed composer, my works challenge the user to interact with digital devices in unorthodox ways. I recognize that software is useless without the hardware that houses it, and I enjoy writing code that is responsive to the constraints of its physical components.

Skills

Languages | JavaScript, HTML, CSS, Python, PHP, Max/MSP, Blueprints

Libraries and Frameworks | Node, Express, React, Flask

Database | PostgreSQL, Sequelize, MongoDB, Mongoose

Other | RESTful Routing JSON

Projects

Web Oscillator | Music application

Javascript, CSS, HTML

03/2021-03/2021

Web-based synthesizer that uses Web Audio API oscillators to produce various synthesizer effects in different combinations. User manipulates the synthesizer by dragging the cursor across the page; the X and Y axes apply different effects to the waveforms.

RickiPedia & Mortiverse | Browser game

JavaScript, HTML, CSS, React

2/2020-02/2021

Multi-page wiki site that displays character and episode information about the Rick & Morty television series. Users can create accounts and discuss theories about the show.

- Security validation, RESTful routing, filtered data sets

Prodrome | Windows game

Unreal Engine 4

08/2020-01/2021

- First-person horror/puzzle game for Windows.
- Programming, level design, music & sound design, animations/cinematic sequencing, 3D asset creation.

Escape from D-1471 | Windows game

Unreal Engine 4

02/2020-06/2020

- First-person shooter/platformer game for Windows PC.
- Programming, level design, music & sound design, animations/cinematic sequencing, 3D asset creation.

Professional Experience

Real Craft Inc | Gig Harbor, WA

IT Manager

06/2020-12/2020

- Updated practices in inventory and shipment tracking, resulting in improved communication across departments and fewer shipping discrepancies, saving the company \$1,000-\$2,000/month.
- Implemented use of remote access technology, allowing fifteen sales and administrative staff to work from home during COVID-19 closures.
- Brought email administration in-house from a third-party provider, saving the company \$500/month.

Iconiclick | Seattle, WA

Music Producer/Audio Engineer

06/2018-06/2020

- Researched popular music trends in European and South-American markets, synthesized those trends in television and internet ads targeting those regions.
- Created an audio library of 60+ original compositions, eliminating the need to license music from third-party vendors.
- Removed background noise from voice-over audio recordings.

Academy for Precision Learning | Seattle, WA

Operations/IT Manager

08/2015-08/2019

- Drafted and maintained employment and enrollment contracts for 100 employees and 120 students.
- Administered all employee email accounts and software licensure.
- Provided IT support and physical maintenance for all school computers, printers, phones, and other instructional hardware.
- Compiled, edited, and maintained all school directories.

Admissions Coordinator

12/2012-08/2015

- Oversaw all admissions procedures during a 300% enrollment expansion.
- Implemented and maintained the company's applicant database.
- Scheduled daily tours of the facility and coordinated all off-site assessments of candidate students.

Outback Therapeutic Expeditions | Lehi, UT

Wilderness Survival Instructor

06/2008-11/2012

- Taught wilderness survival skills to at-risk youth in rehabilitation program.
- Planned and led daily 5-10 mile hikes for groups of 10-15 teenagers at a time during three-month sessions.
- Helped prepare youth for entrance requirements at therapeutic boarding schools.
- Provided first-aid support as needed.

Education

Software Engineering Immersive Program

General Assembly | Remote

12/2020-3/2021

Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program

focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

Bachelor of Music: Modern Composition

01/2016-12/2018

Cornish College of the Arts, Seattle, WA

Summa Cum Laude

Associate of Arts: General Studies

12/2014-05/2015

Seattle Central Community College, Seattle, WA