Logan Pazol

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http://www.loganpazol.com | https://github.com/BlueSpud | http://www.linkedin.com/in/logan-pazol
Available June 2019 - Dec. 2019

EDUCATION

Northeastern University, Boston MA 2017-Present
Khoury College of Computer Sciences
Candidate for a Bachelor of Science in Computer Science Expected 2021

Related Courses: Object Oriented Design, Algorithms and Data, Database Design, Computer Systems, Logic and Computation, and Discrete Structures
Activities: Paradigm Hyperloop, and Intramural Ultimate Frisbee
Awards: 3.97/4.00 GPA, Dean's List, Dean's Scholarship, Apple WWDC 2015 Scholarship, and Xerox Award for Innovation and Information Technology

COMPUTER KNOWLEDGE

Languages: Swift, Objective-C, C++, C, Java, Javascript, and Python
Frameworks: UIKit, RxSwift, OpenGL, GLSL, OpenCL, GLFW, PhysX, OpenAL, and SDL2
Systems: macOS, Linux, and Windows
Software: Blender, Unreal Engine 4, Substance Painter, Affinity Designer, Photoshop, Motion 5, and Final Cut X

PROJECTS

Spud Engine 2 2016-2017
- Architected and wrote a three dimensional game engine incorporating OpenGL, PhysX, OpenAL, and GLFW
- Implemented a physically based rendering pipeline with a roughness-metallic workflow and deferred shading

iTeachYou 2014-2015
- Built a database using Parse, facilitating the creation and grading of assignments by teachers and submission by students, including file uploads on Dropbox
- Developed an iOS application to create, submit and grade assignments in the database as well as upload files

WORK EXPERIENCE

Bose Corporation, Framingham MA May 2018-Aug. 2018
iOS Applications Development Intern
- Developed and unit-tested an internal tool incorporating AppKit, written mainly in Objective-C
- Completed tickets for new UI, revision of old UI, and implementation of critical fixes in the iOS version of Bose Music
- Extended scope of analytics to track more screens and events with accompanying metadata inside of the iOS version of Bose Music

Paradigm Hyperloop, Boston MA Sep. 2017-Sep. 2018
Routes Team Co-Lead
- Designed a parallelized algorithm for Hyperloop route optimization over arbitrary terrain
- Produced a real-time implementation of the algorithm with C++, using OpenCL
- Managed other team members and collaborated with other subsystem leads on physical and economic constraints of routes

Mendon-Upton Regional School District, Upton MA June 2016-Aug. 2016
Technical Support Technician
- Disconnected ~350 computers from classrooms and labs, wiped, and shipped computers
- Imaged operating system, physically installed, and administrated new computers for district's schools

Staples, Bellingham MA June 2015-Sep. 2015
Copy and Print Associate
- Collaborated with customers to identify best solution for needs, including paper type and quantity
- Operated equipment such as photocopier, laminator, and oversized printer to fulfill customer orders