Henry Pan

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Education

University of California, Santa Cruz   2017
Bachelor of Science (B.S.) in Computer Science

Electives: Mobile Applications, Artificial Intelligence, Software Engineering, Web Applications, Database Systems

Skills

Languages: Python, Ruby, JavaScript, Java, HTML/CSS, C++
Software / Technologies: Android, Git, PostgreSQL, Photoshop

Project Experience

Studio Xehryn - xehryn.com   Aug 2014 -- Present
Independent Game Development Studio - Freelance Developer, Independent Game Developer
- Developed game prototypes using a JavaScript game engine and created design documents for clients
- Created and maintained the studio website with content, bringing in 120-250 monthly users
- Shipped three independent titles for Windows PC

Gate of Providence - xehryn.com/gop
2D Turn-Based Role-Playing Game - Lead Developer, Director
- Developed a video game for Windows PC using a Ruby game engine, with over 15 hours of gameplay
- Led a team of four to design, develop, and release a three year project, resulting in a completed game without cutting any major features or segments
- Refactored hundreds of lines of engine code and third-party scripts, improving code clarity and resolving compatibility issues that arose from duplicate code

NutriFit
Fitness Tracker Android Application - Front-End Developer
- Designed and developed the front-end of the Java Android application, resulting in a consistent UX
- Implemented a weight calculator and set timer, eliminating the need to switch to third-party applications and saving users 3-5 minutes per workout session

IFEI - Interactive Fiction Engine and Interpreter
Text Adventure Game Engine - Developer
- Created the overall design of the entire application, which was used by the team to develop two separate programs with identical functionality but different paradigms
- Implemented method to parse a user-defined plain text file into game data for the interpreter

Work Experience

SerenEthos Care and Rehabilitation Center   Jul 2019 -- Present
IT Support Technician, Medical Records Clerk
- Facilitated the transition from paper to digital paperwork for skilled nursing facilities by setting up computer hardware and digital forms with electronic health record systems
- Improved workflow for healthcare workers and the business office by introducing timesaving tools and procedures, eliminating manual data entry and bottlenecking, saving 20-40 minutes a day per worker
- Audited and filed medical records and nursing paperwork for two skilled nursing facilities