Samuel Pinheiro

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EDUCATION

NORTHEASTERN UNIVERSITY | Bachelor of Science in Computer Science, June 2019
<u>Relevant Courses:</u> Programming Languages, Game AI, Web Development, Networks and Distributed Systems, Computer Systems, Database Design, Software Development, Algorithms and Data, Object-Oriented Design.

EXPERIENCE

SCHONFELD STRATEGIC ADVISORS | Programmer/Data Analyst
July 2018 – Dec 2018 | New York, NY
- Developed on projects involving automation, data processing, visualization, and analysis.
- Fulfilled data science duties for team primarily involving Python (pandas), SQL, Q, and Excel.
- Updated company data as well as streamlining processes for unmanageable legacy code.

CHARLES RIVER DEVELOPMENT | Software Engineer
Jan 2017 – June 2017 | Burlington, MA
- Wrote programs in Java/C# on a large existing codebase, gaining experience with Perforce and Ant.
- Created and executed Java unit and automation tests within framework.
- Validated system enhancements, fixes, and user processes; expedited employee workflows with utilities.
- Maintained development and test environments by upgrading and maintaining databases and servers.

NORTHEASTERN UNIVERSITY | Teaching Assistant for Computer Science Department
Jan 2017 – July 2019 | Boston, MA
- Taught fellow classmates Java, Object-Oriented Design, and teamwork.
- Nurtured their understanding of fundamental and intricate course concepts.

SKILLS

LANGUAGES
Java, Python, C#, Racket, SQL, Q (KDB), HTML, CSS, JavaScript, ReactJS.
SOFTWARE AND TOOLS
Eclipse, IntelliJ, DrRacket, Visual Studio, Git, MobaXterm, Control-M.

PROJECTS

ADVENTURE GAME (ONGOING)
- Leading development team for interactive adventure game using Ren'Py engine. Wrote script and code, freelancing for art and other assets.

DISTRIBUTED KEY-VALUE STORE
- Implemented a version of the Raft Consensus Algorithm that still works in lossy and unreliable networks.

MUSIC EDITOR
- Developed music editor in Java using Model-View-Controller pattern and Object-Oriented practices.
- Created multiple views for playing songs and allowing the users to edit them in real-time.

AQUARIUM UI AND DATABASE
- Built UI with Ruby on Rails that could query a database and support CRUD functionality.

EXTRACURRICULAR ACTIVITIES

BITS & BOTS
- Developed open source curriculum and taught beginner robotics lessons in lower-income areas of Boston.
- Coordinated with public libraries, helped lead meetings.