Eli Badgio

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EDUCATION

Rice University | Houston, TX
BA in Computer Science
Expected Graduation May 2019
GPA: 3.65/4.0

SKILLS

FLUENT
Python • JavaScript • React.js • Node.js • HTML / CSS

PROFICIENT
Java • SQL • C

FAMILIAR WITH
React-Native • Kotlin • Ruby

LINKS

elibadgio.com
github.com/ebadgio
linkedin.com/in/eli-badgio

WORK EXPERIENCE

DigitalCrafts | Developer in Residence

September 2018 – Present | Houston, TX

- Working on development of course materials (exercises, test suites, and projects) in JavaScript, HTML/CSS, React.js, and SQL.
- Providing assistance as an instructor for 20 students.

SAP America Inc. | Software Development Intern

June 2018 – August 2018 | Newtown Square, PA

- Worked on the development of an SAP HANA based Datahub for SaskTel, a Canada based telecommunications company.
- Analyzed the performance of the Datahub's daily contract loading process using SAP HANA performance tracing tools.
- Researched SQL performance tuning techniques and used these techniques to eliminate several performance bottlenecks discovered during analysis.
- Built a continuous integration testing framework for the Datahub with a combination of an SAP developed server-side JavaScript runtime called XSJS and SAP HANA's native SQLScript. The framework was added as a package to the production codebase.

PROJECTS

Walnut

- Created a web app aimed at increasing community engagement for clubs and organization with a primary focus on facilitating natural and organized discussion.
- Developed the API using Node.js with MongoDB as the database and built the frontend using the React.js framework.
- Three university clubs were using the platform before termination of the project.

Web Proxy

- Developed a fully functional concurrent web proxy written in C.
- Implemented the concurrent functionality using a producer/consumer pre-threading approach.

Part-of-speech Tagging

- Designed and implemented a stochastic part-of-speech tagger in Python, base around first and second order Hidden Markov Models.
- With a 2,000,000 word training corpus, 97.6% accuracy was obtained using my trigram Viterbi model.