ANTHONY MADISON

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Technical Skills

Main language/skills	SWIFT, Obj-C, C++, Python, and JavaScript, HTML, CSS C, Ruby, SQL and C#
Frameworks/Tools	React, React Native, Redux, D3.js, Bootstrap, Rails, Unix, Git, Jira, React-Bootstrap

Work Experience

iOS ENGINEER at VISIONAIRE 3D, Toronto, ON (October 2020 – January 2021)
- Completed the entire first version of their SWIFT iOS application "STYLR" by the end of November with one other engineer
- Implemented entire Profile tab in app, implemented detail pages, collection views, data manipulation, etc through rest of app
- Stylr is a 3D visualization app targeting the real estate industry; users showcase interior design concepts

iOS ENGINEER at LINKEDIN, Sunnyvale, CA (September – December 2019)
- Implemented all Objective-C code for detail screens on the profile page of LinkedIn's iOS app, used object-oriented approach
- Fixed various bugs throughout the sixteen weeks, improving the Profile page's SWIFT/Obj-c code in the iOS app
- Cleaned up dead code across Objective-C pods, refactoring or removing old code where new implementations are now used
- Wrote unit tests, integration tests and functional tests for most of the Profile page code within LinkedIn's iOS codebase

SOFTWARE ENGINEER at INKLING, San Francisco, CA (January – April 2018)
- Wrote feature-related code with SWIFT and React Native for different mobile applications Inkling provides to customers
- Fixed bugs throughout a mobile app's release, assisted with the web team's backlog of front-end bugs using React with Redux
- Helped decide which features were most important for the app to include; worked with PMs and design team on feature design

FULL-STACK DEVELOPER at COGNITIVE SYSTEMS CORPORATION, Waterloo, ON (May – August 2017)
- Implemented an internal web app that displayed various reports, making use of React, D3.js and Ruby on Rails
- Constructed three widgets for internal and customer-side web apps using D3.js and React
- Updated report dashboard and widgets, enabling on-screen elements to react dynamically when users manipulate the screen
- Leveraged Ruby on Rails to solve flaws within web app

FRONT-END DEVELOPER at CANADIAN INSTITUTE FOR HEALTH INFO., Toronto, ON (May – August 2016)
- Designed and implemented plots/diagrams for data visualization with D3.js, providing insight into large quantities of data
- Implemented multiple features such as legends for diagrams, locational maps and various dynamic web app features
- Analyzed web frameworks Bootstrap, React, AngularJS and Web Experience Toolkit in a comparison report of frameworks

SQL DEVELOPER at PUREFACTS FINANCIAL SOLUTIONS, Toronto, ON (January – April 2015)
- Prepared complete set of test data through SQL procedures in MySQL, for use in testing and demos shown to customers
- Tested products developed by coworkers and modernized software's testing system by creating a complete test plan
- Standardized new automation testing system using Ranorex to improve speed and quality of testing system

Education

UNIVERSITY OF WATERLOO (2013 – 2019)
- Honours Bachelor of Mathematics graduate, Computational Math major and Computer Science minor

Projects (more projects on my github: https://github.com/a97madison)

24 / 20 SOMETHING CARD GAME APP read source code and test app here: https://github.com/a97madison/24CardGameCalculator
- iOS calculator application is coded in SWIFT, currently working on releasing this application to the iOS Application Store
- Currently building partner calculator web application, also developing a full application for the card game. That application will be available as an iOS app, a web app and a game pigeon application for iMessage users to play via text. Card game rules in the github folder's ReadMe file!

PERSONAL WEBSITE read source code and test app here: https://github.com/a97madison/base-personal-website-material
- Web app is built with React with Redux for local and global store of data alongside JavaScript, HTML, CSS and PHP.

Interests
- Won pi recitation competition memorizing 410 digits, played violin and other instruments for 10 years, basketball