SHIRLEY BI

4th Year, Computer Science Major, Expected Graduation May 2021, GPA 3.95

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TECHNICAL SKILLS

Languages: Java, JavaScript, Kotlin, Python, Ruby
Web: Node.js, React, Redux, HTML, CSS, REST APIs
Mobile: React Native, Kotlin, Expo

Testing: JUnit, Selenium, Appium, Rspec-Watir
Databases: SQL, MongoDB
Tools: Git, Docker, Kubernetes, Jenkins

WORK EXPERIENCE

Software Developer Co-op | FI.SPAN | Java, React, Postgres, Spring Boot, Kotlin, MongoDB   **May 2020 – Aug 2020**
- Developed ERP plugins through feature development, UI updates, and improvements to data sync behaviour
- Implemented the front-end and back-end of a service used to create, update, and delete user errors
- Improved query implementation to work with updated XML schemas of ERP APIs

Software Engineer Intern | SAP | Java, Ruby, Node.js, Selenium, Appium, Swift   **Sep 2019 – May 2020**
- Enhanced existing web end-to-end tests by creating new test frameworks using Rspec-Watir and TestCafe, extending functionality to include accessibility testing and email notification testing using the Gmail API; automated using a Kubernetes cronjob to run a Docker container with the tests
- Implemented web and mobile end-to-end tests using the Page Object Model and various selenium frameworks; increasing code coverage by 50% and improving mobile test speeds by 13%
- Implemented unit tests in Swift to increase mobile code coverage
- Created career development opportunities and workshops for 150+ interns as an intern committee lead

PERSONAL PROJECTS

Hnefatafl | Kotlin   **Jul 2020 - Present**
- Implementing game logic, and prototyping and designing assets a mobile game of Viking Chess

Amplify | React Native, Expo, Node.js   **Mar 2020 - Apr 2020**
- Developed an public speaking coach to improve everyday communication
- Built server and used Google Cloud Speech-to-Text API to find filler words, calculate speech duration, and suggest more concise wording

SAP University of HANA and Analytics | React, Redux, Node.js, MongoDB   **Nov 2019 - May 2020**
- Developed an internal learning platform to integrate course information and registration, and presented project to stakeholders at an SAP HANA All Hands
- Created various pages and UI components to display course data and user registration retrieved using HTTP requests to an internal API
- Improved server-side implementation by refactoring the database and server to reduce coupling
- Implemented user authentication using OAuth 2.0 to allow for single sign-on

Banking on Food | React Native, Expo   **Nov 2019**
- Developed a mobile app to manage food bank inventory and gamify donations

VanGo: Itinerary Planner | React, Redux, Meteor, MongoDB   **May 2019 - Aug 2019**
- Created components, and managed the states and collections of itinerary, login, and registration pages for a responsive full-stack web app
- Collected and displayed event and attraction data using Yelp and Google Maps API
- Implemented user authentication and registration using Meteor Accounts API
- Designed the UI with Semantic UI, making adaptations based on user feedback from beta tests

EDUCATION

University of British Columbia
- **BCS in Computer Science**   **Sep 2018 – Present**
- **BSc in Psychology, Minor in Commerce**   **Sep 2011 – May 2015**