

Rishi Goel

Candidate for Bachelor of Applied
Science, Systems Design Engineering,
University of Waterloo (Class of 2019)



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Qualifications

Programming: Swift, Java,
Obj-C, SQL, Angular, C#

Prototyping Tools: Sketch,
Firebase, Invision

Design Principles: Lean
UX, Iterative Design, Agile
Development

Experience

IOS Developer/Digital Consultant, Capco (May '16 - Aug. 16)

- Worked on the RBC Caribbean banking app for IOS using Swift and launched the Android version
- Adopted Protocol-Oriented-Programming and the MVVM framework for the project structure
- Implemented UITableViewRowAction to allow the user to approve money transfers and delete transfer templates
- Consulted with the client on a daily basis in order to determine project requirements and UX

Solutions Prototype Developer, Manulife RED Lab (Sept. '15 - Dec. '15)

- Designed and developed 8 customer-oriented, high fidelity prototypes using Swift, Sketch, Ionic, Invision, Firebase, and Photoshop
- Conducted user interviews and created personas in order to fully understand the problem space
- Evaluated numerous design concepts via A/B Testing and usability testing

Developer, Protecode Inc. (Jan. '15 - Apr. '15)

- Developed a popular-projects program using C#, ASP.NET, and SQL which elevated the number of relevant projects in the database by 20%
- Rewrote the entire QA platform using Java and MySQL, thus increasing our QA efficiency by 300%
- Built a database search-and-count program for our sales team using Java and PostgreSQL

Projects

Vote the 6ix (Present): A Google Chrome extension that speeds up the NBA All-Star voting process for Twitter users

Problem statement: How might we automate voting Kyle Lowry and Demar Derozan into the All-Star game?

- Published a Chrome extension that allows users to vote for Kyle Lowry and Demar Derozan in 2 clicks
- Accounted for over 1000 votes from 300 users during 1 month of All-Star voting

2Pay (Jan. '16): A Swift iOS app that helps make mobile retail shopping a more pleasant experience

Problem statement: How can we simplify the mobile shopping experience?

- Developed an iOS prototype that scans your drivers license/credit card for shipping and billing information by using open source libraries
- Interviewed customers, invented a persona, and created low fidelity and high fidelity wireframes and mockups

OCeaR (Nov. '15): A Swift iOS app that creates a more enjoyable experience for the visually impaired while reading signs

Problem statement: How might someone who is visually impaired use technology to read signs

- Developed a mobile prototype in Swift that converts text to speech by using open source libraries