Allyson Aberg
Systems Design Engineering

💻 **www.allysonaberg.com**
✉ allya7897@gmail.com
⬛ github.com/allysonaberg

Skills

Development: Swift, Java, Javascript, C++, HTML/CSS, SQL, Python
Tools: Xcode, Cocoa Pods, Android Studio, Git, SolidWorks, Photoshop, Sketch
Design: Wireframing, Mockups, Prototyping, Branding, Iterative process, Logo and Graphic design

Employment

| 2017 | - Nascent Digital

- **Mobile Developer**
  -Worked on a 3-person team to develop the iOS and Android versions of a health messaging app for a corporate client.

  -Worked on numerous features and bugs involving the use of CocoaPods, Query writing via the HealthKit API, UIKit animations, delegation, and SQL database manipulation.

  -Independently designed an iOS application that prepopulates Apple's default 'Health' App with data, drastically improving overall testing and debugging efficiency for the main application.

  -Worked directly with clients to ensure total satisfaction throughout the development process.

| 2014 -2016 | - Mobile Oral Health Professionals

- **Web and UI/UX Developer**
  -Designed and implemented a responsive website (mobileoralhealth.com) using HTML, CSS, Javascript, and Bootstrap.

  -Generated wireframes and mockups for an iOS app aiming to improve the company's relationship with customers through its intuitive design.

Awards & Accomplishments

| 2016 | - University of Waterloo

- **President's Scholarship of Distinction**
  Awarded for a 95+ admission average.

| 2016 | - SHAD Valley International

- **SHAD Alumni**
  Completion of the Shad Valley Program and Team Leader at the Entrepreneurship Cup.

Education

| Anticipated Graduation 2021 | - Kitchener, ON

- **University of Waterloo**
  Candidate for Bachelors of Applied Science

Projects

| 2017 - Present |

- **Vision**
  -A Node.js web app that helps users to design a pair of custom-fit 3D printed glasses.

  -Utilizes a facial landmark detection API (Kairos), to compute facial measurements based off of front and side-view images.

  -These specifications are then integrated into a Solidworks model, allowing them to be printed.

| 2017 - Present |

- **ScaryBot**
  -A Facebook Messenger chatbot, providing users with a curated list of the internets scary stories.

  -Utilized MongoDB to store user settings and info.

  -Implemented Natural Language Unerstanding and Processing (NLP/NLU) via Wit.ai.

  -Gathered over 180 unique users within its first week of launch.

| 2016 |

- **Midnight Sun (Solar Racecar)**
  -The University of Waterloo's cruiser class solar racecar, set to compete in the World Solar Challenge in 2017.

  -Using SolidWorks as part of the mechanical team to design and model the chassis and body, frame, and powertrain.

| 2015 - 2016 |

- **HydraChew Entrepeneurial Project**
  -Acted as Team Leader in a group of young entrepreneurs challenged to create a product which encourages Canadians to spend more time outside.

  -Amalgamated all aspects of the project into a working prototype and business.

  -Developed the website, prototype, business plan, and promotional materials with the aim of catching customer attention through vibrant design.