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# Andrew MacDonald

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## Technical Skills

**Strong:** JavaScript, Angular, Node.js, HTML, CSS, Bootstrap, Heroku, Git, UI/UX Design

**Experienced:** Express, MySQL, MongoDB, D3, jQuery, Backbone, Firebase, TDD, Casper, Bookshelf.js, React

## Work Experience

**Front End Software Engineer:** *GGN Gaming, July 2016-June 2017*

- Wrote, tested, and implemented front end code using Angular, HTML/CSS, Bootstrap
- Integrated Pubnub into application to create dynamically updated content
- Worked with product team to create entirely new portions of the site based on wireframe mockups
- Redesigned and refactored portions of the site to make it more intuitive and visually pleasing
- Created modals used to display large amounts of data in an easy to navigate/paginated manner
- Collaborated with backend engineers to make sure code is scalable for large amounts of users and that front end code interacts with our custom API properly
- Integrated custom modules into site such as module that logged user out after specified period of inactivity and displayed custom error message

**Software Quality Assurance:** *Experis, 2011-2015*

- Tested UI/UX of web based applications such as ESPN for Xbox One and Halo: Waypoint
- Performed network throttling testing for multiplayer games and streaming applications
- First-hand experience in the development process working on AAA projects such as Sunset Overdrive and Halo 4
- Utilized Microsoft Visual Studio to gather call stack information for software engineers to debug

## Web Applications

**Lunchline:** *Crowdsourced application for looking up wait times at nearby restaurants ([lunchline.herokuapp.com](http://lunchline.herokuapp.com))*

- Wrote backend routes with ExpressJS and logic to store user information into MongoDB
- Leveraged Google Places API to generate directions based on user's geolocation
- Ensured app security by packaging code such that users cannot gain access to sensitive database information
- Integrated Bootstrap in order to make website responsive and readable on mobile devices

**DrivewayShare:** *Platform allowing users to post available parking spots for rental ([drivewayshareapp.herokuapp.com](http://drivewayshareapp.herokuapp.com))*

- Collaborated with engineering team, improving product UX and refactoring existing code for modularity
- Implemented advanced form validation using Angular for user signup/signin
- Integrated Google Autocomplete API into address search bar
- Integrated Google Maps into search results
- Applied CSS to improve looks of site

## Education

**MakerSquare (Santa Monica, CA):** Immersive advanced software engineering program, 2016

**University of Oregon (Eugene, OR):** BS in Journalism: Electronic Media, 2002-2008

- **Relevant Courses:** Advanced Calculus, Differential Equations, Electromagnetism

## Personal

Movie buff who plays probably too much Overwatch. In the past year and a half I've lost 120 pounds by running a marathon and eating more oatmeal and plain turkey sandwiches than any person should ever eat in their life.