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# Carlo DiLorenzo

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## Technical Skills

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**Strong in:** JavaScript, Node.js, Express, jQuery, HTML, CSS, Git, React, Mocha, Chai, MongoDB, ES2015 (ES6)

**Experienced in:** Mithril, Grunt, SQL, Knex.js, Phaser.io, Socket.io, Gulp, Browserify, D3.js, AngularJS

## Projects

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**MakerSpace** - Software Engineer | <https://github.com/pear-programming/MakerSpace> 2016

*Room reservation app that shows real-time room availability, manages bookings, and gathers usage data for analytics*

- Managed database on mLab and executed RESTful API to optimally receive and insert data
- Advocated TDD with Mocha and Chai throughout product lifecycle, ensuring robust code and best dev practices
- Implemented React modal, allowing users to interact with room schedules, filter unique booking creations

**Austin Art** - Software Engineer | [austinpublicart.herokuapp.com](https://austinpublicart.herokuapp.com) 2016

*Online gallery of public art in the Greater Austin Area that allows users to discover, rate, and comment on public artwork*

- Developed dynamic, React-based front-end appearance, allowing art components to be focal objects of site
- Maintained mLab database that stored Austin art, user information, comments, and likes
- Augmented app with React Navbar incorporating all site functionality within the Navbar to create a clean UI/UX

**Have You Heard The News** - Software Engineer | [haveyouheardthenews.herokuapp.com](https://haveyouheardthenews.herokuapp.com) 2016

*News aggregator that retrieves nineteen news sources, sorts articles by good or bad news, and reads headlines to users*

- Created button functionality with on-hover animation, upgrading static news logos to dynamic site elements
- Built RESTful API call to IBM's Watson AI, utilizing the supercomputer to read the news headlines audibly
- Designed user interface with responsive CSS for users to discover news, via mobile and desktop platforms

**broCoder** - Software Educator | <https://www.youtube.com/channel/UCkNVLsNd7EAgl83J7EvlNvg> 2016

*Started an educational YouTube channel called broCoder to share coding knowledge with fellow students*

- Coached viewers to do coding toy problems and explain the logic of the algorithm step by step
- Discussed topics like currying and closures to better understand these JavaScript topics

## Experience

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**Freakylicious Subs, LLC** - Owner/Operator Colonie NY | 2012-2016

Jimmy John's Franchisee

- Increased sales by 11% annually; reduced food cost by 19% compared to national average
- Accounted for all managerial aspects of a 20-member team including: scheduling, marketing, hiring, and training
- Implemented, tested, and delegated an end-to-end checklist to more efficiently manage operational procedures
- Managed all financial aspects, including accounting, purchasing/negotiating, and cost control

## Education

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**MakerSquare** - Advanced Software Engineering Immersive Austin, TX | 2016

**Rensselaer Polytechnic Institute** - B.S. in Materials Engineering, Minor in Management Troy, NY | 2008-2012

## Personal

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Became a Volunteer Firefighter in Loudonville, NY (2013-2014). Finished Ironman (Lake Placid, NY) with no prior experience in triathlons and no professional training (2013).