

San Francisco, CA  
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# Jorge A. Carapia

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## TECHNICAL SKILLS

Strong: JavaScript, Angular, React, Redux, MongoDB, jQuery, HTML/CSS, Node.js/Express, GitHub

Experienced: Grunt, Gulp, Jasmine, Mocha, Karma, SkylinkJS, MySQL, Backbone, Socket.io, WebRTC, Webpack

## PROJECTS

**VR Museum** | Full-Stack Engineer, Product Owner | <https://www.vr-museum.herokuapp.com>

*Immersive multi-user virtual reality app with real-time audio communication.*

- Incorporated real-time audio communication for multiple users using SkylinkJS.
- Built broadcasting and multi-user recognition functionality for avatars using Socket.io.
- Designed and integrated navigation system within the virtual space using React and A-frame.

**fishTails** | Full-Stack Engineer, Founder | <https://fishtailsapp.herokuapp.com>

*Social networking app for sharing your fishing stories with the world.*

- Architected and developed multi-user blog-sharing application with React/Redux and MongoDB.
- Integrated Bootstrap and FontAwesome.io to provide intuitive user interface.

**NeighborPool** | Full-Stack Engineer, Product Owner | <https://github.com/neighborPool/neighborPool>

*Social networking app for carpooling with your neighbors.*

- Implemented Google Geolocation Services and HTML5 to create interactive map for user's location.
- Constructed Login/Sign-up pages with Angular, HTML, CSS and Bootstrap.

## EXPERIENCE

**Hack Reactor** | Hacker-in-Residence

San Francisco, CA 2016

- Directed interview preparation sessions for Hack Reactor alumni.
- Mentored students on curriculum and instilled self sufficient learning strategies.

**Terminal Manufacturing Co.** | Project Manager & Engineer

Berkeley, CA 2015-2016

- Fabricated nuclear pressure vessels for the U.S. Department of Energy and delivered ahead of schedule.
- Forged partnership with UC Berkeley's Nuclear Engineering Department, generating \$300,000 in revenue.
- Designed and constructed bubble-point testing apparatus, reducing cost of testing nuclear-grade filters by 50%.

**Valley Fine Foods** | Process Engineer

Benicia, CA 2013-2015

- Optimized production line transfer points, reducing product waste by 10%.
- Designed and fabricated automation hardware/software package for sauce kettle, increasing output by 38%.

**Maple Leaf Foods** | Maintenance Supervisor

Richmond, CA 2012-2013

- Directed a crew of 5 industrial maintenance technicians and 1 coordinator in a 50,000sq.ft food-production facility.
- Engineered a baking-board cleaning system that reduced manual board cleaning labor by 40%.

**Maple Leaf Foods** | Maintenance Coordinator

Richmond, CA 2005-2012

- Re-engineered dough mixer drive components, achieving 200% increase in overhaul time interval.
- Improved Maintenance Department's corporate scorecard from 82% to 97% in record time.

## EDUCATION

Telegraph Academy | Advanced Software Engineering Immersive

San Francisco, CA 2016

University of California Berkeley | B.S. Mechanical Engineering

Berkeley, CA 2005

## PERSONAL

Avid freediver with personal best 60-ft dive and 4-minute breath-hold. Sea kayaker, trail runner, mushroom hunter and wild-edible forager.