

# Robert Concepcion III

<http://www.robertconcepcion.com>

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## TECHNOLOGIES

### Software Development:

JavaScript (+ES5/6/7) · React (+Native) · Flux (FBFlux, Redux) · Grunt · Gulp · Bash  
NodeJS (+Express) · HTML5 · CSS/JSS · Java · MySQL · MongoDB · Git · AWS

### Multimedia Creation/Editing:

Adobe Photoshop · Inkscape · Blender 3D · FL Studio

## EDUCATION

### New York Institute of Technology

M.S. Computer Science, *December 2013* · B.S. Computer Science, *August 2012*

### Thomas Edison State College

B.A. Computer Science, *December 2012* · A.A.S. Applied Electronics, *January 2012*

## EXPERIENCE

### Software Engineer (Contract)

*RSG Media, November 2017 - August 2018*

Independently designed a scalable architecture, created standards and wrote code/documentation in close conjunction with senior management from the ground up for a flagship realtime search product API -- under budget and on time.

Troubleshoot and inferred client data scenarios for IP rules across large multinational media organizations.

Assisted a few team members when needed to get up to speed with latest lean web development standards from a primarily .NET/C#/SQL-based codebase to NodeJS / MongoDB / Microservices-based architecture.

Developed prototype front-end app to drag and drop excel files into a web app and generate dynamic data views using Redux and React for a client proposal.

### Fullstack Software Developer

*YouVisit, April 2017 – October 2017*

Led an optimization effort on the front end for a React/Redux based VR client tour app which resulted in an improvement of greater than 25% in almost every measurable metric.

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## EXPERIENCE (cont'd)

### Fullstack Software Developer (cont'd)

*YouVisit, April 2017 – October 2017*

Created pragmatic solutions for the front-end team to move towards a more scaleable architecture -- consistently cutting down technical debt while developing new features and fixing outstanding bugs reported.

### Senior Web Application Developer

*Power Management Concepts, April 2014 – March 2017*

Designed the backend and web content management system for an app to facilitate the upkeep of critical infrastructure and power systems data in skyscrapers. Clients included Black Rock, the New York Stock Exchange, World Trade Center and JFK Airport.

Developed a scalable web application architecture including database, server and client side design using NodeJS + Express, React and MySQL.

Automated deployment processes and managed builds on the front-end using Grunt and Gulp.

Designed the first iteration of the app's UI with Adobe Illustrator for mockups and assisted with design for miscellaneous projects such as an expo website and business cards.

### Web Developer

*Independent Contractor, May 2014 – August 2015*

Managed a wordpress server; responsibilities included: creating pages from PSDs, improving UX, troubleshooting plugins using PHP, and supporting client and serverside codebases.

Helped site maintainers troubleshoot issues with backing up their data, FTP and editing content.

### Graduate Thesis Project

*New York Institute of Technology, June 2013 – December 2013*

Created an open-source web 2D and 3D multimedia API which allowed developers to more easily develop cohesive interactive multimedia applications using HTML5 (FileAPI, Canvas and WebAudio) and JS. YUI3 was used for the JS architecture and Three.js was used to wrap the 3D abstractions.

Developed a web interface for loading images and assembling animations that automatically generated .js source code in order to seamlessly work with this framework.

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## **Software Developer/Founder**

*Whateversoft (Sole Proprietorship), January 2011 – May 2013*

Developed a cross-platform 2D game API in Java and an Android app released on Google Play and Amazon.

Worked with an artist to create a real-time interactive puzzle game and a card game for the Android OS with both an app and server-side for high scores.

## **Information Management Officer**

*United States Navy, June 2009 – April 2010*

Contributed to the development and management of a command-wide Microsoft Sharepoint web portal using HTML, CSS and JavaScript, also training officers in how to maintain their own sections.

Administrated, secured, and maintained 130 Windows XP workstations.

## **Field Service Technician**

*Coinstar, June 2008 – May 2009*

## **Electronic Technician**

*United States Navy, November 2005 – March 2008*