



## Jonathan Chan

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## Summary

- C# Developer with a Bachelors in Computer Science and Certificate in Full-Stack Web Dev
- Detail-oriented and quick-learning team player with a demonstrated passion for continued education
- Proven ability to build C# and JavaScript tools for use in streamlining complex but consistent tasks
- Wide breadth of additional knowledge and experience with software coding (e.g. apps, games, voice skills)

## Technical Skills

### SOFTWARE, GAMES, AND TOOLS

C# C++ Python Unity SQLite iBoxDB XML

### QUALITY ASSURANCE

Mocha Chai ESLint Ad Hoc Testing User Testing

### FRONT-END WEB

Vanilla JavaScript React jQuery CSS 3 HTML 5 Bootstrap  
Materialize JSON AJAX Closures Progressive Enhancement

### BACK-END WEB

Node.js Express Handlebars SQL NoSQL MySQL MongoDB  
Serialize Mongoose Axios bCrypt Firebase PHP ASP

### PROJECT MANAGEMENT

Git Mercurial Perforce Subversion JIRA Assembla Trello



### DESIGN

Adobe Photoshop Adobe XD GIMP Adobe Flash

## Relevant Experience

### C#, JavaScript, Python Programmer

*Weird Spirit, LLC*

 09/2016 – 12/2018  Redmond, WA

- Developed Android *Mines!* game on Google Play using C#, NoSQL, Unity
- Built Alexa Skill *Rhyme Finder* using Node.js, DynamoDB, Lambda, and Datamuse API with developer tools built in Python

### C#, C++ Programmer

*DoubleBear Productions, LLC*

 05/2013 – 08/2016  Seattle, WA

- Worked with designers to create C# tools streamlining their content creation allowing us to ship on time
- Took the initiative to supply *Dead State*'s nearly 10,000 Kickstarter Backers with product keys using JavaScript
- Coordinated with international team to fix issues and release over ten major updates under a strict schedule
- Used C# and C++ to develop systems, tools, and game mechanics for *Dead State*

### QA, Web Programmer (Volunteer)

*Phoenix Online Studios, LLC*

 06/2010 – 09/2011  International

- Participated in contest to become an ad hoc QA tester and won a position on the team helping to standardize bug reports for improved detection of duplicate reports and improved reproduction of bugs
- Volunteered as front-end programmer when their current developer quit right before a largely-advertised website launch with no work done, coordinating with two graphic designers to build their new product launch and company redesign websites allowing them to launch on time with peace of mind

## Awards

- 🏆 **Best Sophomore Game in a Custom/Original Engine**  
*Temple of the Water God*
- 🏆 **Best Sophomore Tech**  
*Temple of the Water God*
- 🏆 **Best Use of Tech**  
*SCATTeR*
- 🏆 **Best Use of Tech**  
*Send Care MEOW*

## Education

### Full-Stack Flex Coding

#### Bootcamp Certificate

*University of Washington + Trilogy Education*

- Worked in groups of 3-4
- Utilized industry standards (e.g. MVC, CRUD, Mobile-First development)
- Assisted peers, garnering praise from TAs and instructor leading to a substitute TA position

### Bachelors of Science in

#### Game Design (incomplete)

*DigiPen Institute of Technology*

- Was TA for GAM100 class
- Employed by DigiPen creating WordPress pages for all ProjectFUN docs
- Helped lead team of ten who won school-wide recognition and awards for *Temple of the Water God*

### Bachelors of Science in

#### Computer Science

*University of Memphis*

- Developed retrofitted parking garage occupancy tracker proof of concept
- Created campus-targeted social app proof of concept

## Projects

### The Silver Lining Game

[https://web.archive.org/web/20101128044018id\\_/http://postudios.com/](https://web.archive.org/web/20101128044018id_/http://postudios.com/)

This game is a labor of love based on Sierra's *King's Quest* series and one of the first fan-made games to receive an official license and approval by its IP holders after receiving and complying with two cease and desists.

- Main duties included Quality Assurance through ad hoc testing and Front-End Web Development
- Helped standardize bug reporting format to include issue summary and standardized bug location in the title with detailed steps on how to reproduce the issue in the report itself
- Tracked down the cause of a seemingly-random difficult-to-reproduce crash by utilizing an old PC that encountered the issue more frequently and version control history to locate the revision where it started
- Noticed many unused assets in the project and voluntarily developed a Java tool to locate them all for removal

### Wright Medical Technology's Website Refactor

[https://web.archive.org/web/20111016212306id\\_/http://www.wmt.com/patients/](https://web.archive.org/web/20111016212306id_/http://www.wmt.com/patients/)

Client wanted to refactor their suite of over 200 medical websites to be W3C standards compliant (replacing their table-based designs), cross-browser equivalent, completely legally compliant, and internationalized

- Expanded browser compatibility (IE6+, Firefox, Chrome, Opera [Presto]) and ad-hoc tested via VMWare
- Developed cross-browser, mobile-compatible HTML 5 video player and the CLI-based Handbrake automation tools to convert videos into their correct formats, which was still in use after my employment
- Manually re-photoshopped all website graphics including text into PSDs with translatable type layers for localization which required painting over existing baked-in text
- Worked with back-end engineer to create online medical store utilizing HTML, CSS, JavaScript, AJAX, and MVC

### Send Care MEOW

<https://jandystephens.github.io/Send-Care-MEOW>

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Design simple digital care packages to send to friends, family, or anyone else who is having a rainy day. Include a message, mood-lifting GIF and music, and a custom Postmates order they can accept by entering their address.

- Mainly handled Spotify Playlist feature and Systems Development (creating a Single-Page Website framework)
- Divided up tasks into equal parts that could be worked on without blocking each other (Systems Development, Web Design with Adobe XD & Front-End Code, API Research & AJAX Calls)
- Utilized a State Machine and hash navigation with history, jQuery, Bootstrap, Giphy & Postmates APIs