

# STEFAN CHAO



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## Work Experiences

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### Co-founder, Lead Developer - *Artfol*

*Dec 2019 - Present*

- Oversaw Artfol's marketing leading up to launch which led to the app reaching #17 on Social Networking Apps on the App Store and seeing over half a million sign ups
- Built Artfol for mobile and web using React Native and ReactJS respectively, created custom components which resulted in better client side performance
- Created and deployed a RESTful API using MongoDB and NodeJS, implemented session tokens and other security measures
- Architected and deployed complex server infrastructure using AWS (EC2, ELB, Route 53, Lambda, S3, CloudFront), designed backend to handle user traffic, in app subscriptions, and real time messaging
- Routed network infrastructure through CloudFlare and optimized image distribution using edge caching resulting in reduced costs for hosting
- Conversated with advertisers to create custom ads for Artfol, tailoring the advertising experience to meet their specific needs
- Sole UI/UX designer, designed interfaces for both mobile and web ensuring seamless experiences between the two

### Summer Analyst - *Goldman Sachs*

*Jul 2018 - Sep 2018*

- Met with bankers to assess how to best implement solutions that meet their needs
- Participated in weekly Agile meetings and daily stand-ups to discuss progress and set project goals
- Designed and contributed to internal software used by bankers and assistants using NodeJS and AngularJS
- Built a program which formats case study templates into HTML resulting in easier company wide email distribution
- Conducted unit tests using Karma and NodeJS

### Summer Intern - *Ticket Tailor*

*Jul 2017 - Sep 2017*

- Created responsive landing pages using HTML and CSS for the launch of a new Shopify product
- Sped up tasks by developing a Java application to visualize ticket data and creating a script to automate customer sorting
- Worked with the art director to conceptualize and create promotional art for Halloween

## Education

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### King's College London - BSc Computer Science, 2:1

*Sep 2016 - Jun 2019*

## Projects

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### GAMario (Final year dissertation at King's College London)

*Sep 2018 - Jun 2019*

- Created an AI to play through Super Mario Bros using genetic algorithms and neural networks
- Source code and dissertation can be found here: <https://github.com/pockiii/gamario>

### Freelance Artist

*Aug 2016 - Sep 2019*

- Experience with freelance work including designing pins, banners and avatars
- Designed the logo for King's College London Wolves (Ice Skating Club)

## Skills

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### *Programming*

Javascript

Java

NodeJS

React Native

ReactJS

ExpressJS

MongoDB

AWS

HTML / CSS

### *Software*

Adobe Photoshop

Adobe Illustrator

Figma