

Joe Zeng

3rd Year Computer Science - University of Waterloo

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Skills

- Languages: Java, Python, C, C++, JavaScript, HTML, CSS, SQL
- Frameworks and Libraries: jQuery, Bootstrap, Robolectric, Pyramid
- Development Tools: Git, Android Studio, Gradle, UNIX, SSH, Bash, Docker

Experience

Yelp, Software Engineering Intern | Jan 2017 - April 2017

San Francisco, CA

- Created a post-ordering experience for Yelp's Transactions Platform
- Designed and implemented an API using Python+Pyramid that allows Yelp's platform partners to post updates about the status of a user's order
- Built daemons that picked up messages from Yelp's task queue to process and deliver thousands of order status push notifications during peak ordering hours
- Wrote a mobile API endpoint that allows clients to render an order status page with actions allowing users to contact support and check the location of their order

Kik Interactive, Android Developer Intern | May 2016 - September 2016

Waterloo, ON

- Worked on the bots team to implement client-side features to support Kik's chat bot platform
- Refactored Android chat bot features to use RxJava and Retrofit, while employing design patterns such as MVP and MVVM, resulting in more modularized code with better performance
- Developed a new message type that allows users to share bots with their friends, increasing the userbase of a flagship chat bot by hundreds of users in its first week
- Implemented bot searching in Kik's username search screen to increase bot visibility

Connected Lab, Software Engineering Intern | August 2015 - December 2015

Toronto, ON

- Worked on Android team to develop a smart home audio system and refactor a mobile wallet app
- Refactored user's music library to support lazy loading to change loading structure from pagination to continuous scroll, resulting in feature speed increase of 70% and improved user experience
- Implemented support for music services such as Tidal and Rdio using their developer APIs
- Converted networking calls on the wallet app to use Volley networking to improve response times by 50% and improve code readability

Projects

MyOrchestra - EngHack Project (<https://git.io/vtHpB>)

Waterloo, ON

- Built a web app that allows users to conduct an orchestra using the Myo Armband through arm gestures controlling instrumentals on various devices through bluetooth
- Integrated sound commands with the web app using React.js and Buzz.js
- Won best overall project at EngHack UWaterloo

Activities

Velocity Technology Incubator, Resident and Entrepreneur

Waterloo, ON

- A startup residence and mentorship program for entrepreneurial students

University of Waterloo Varsity Tennis, Team Captain

Waterloo, ON

- 2015 OUA and University of Waterloo rookie athlete of the year

Education

Candidate for Bachelor of Computer Science, Co-op

University of Waterloo

Waterloo, ON

2014 – 2019