

# Guangyuan (Charlie) Yang

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## Education

### University of Waterloo

Candidate for Bachelor of Mathematics  
Expected 2020

## Skills

**Languages:** Python, C, C++, Shell, SQL

**Systems:** Docker, Vagrant, Puppet, Jails

**Web:** HTML/CSS, Node.js

## Experience

### Google Summer of Code

Remote

Incoming Student Developer – Coala Project

From May 2018

- Proposal accepted by organization: Automation of Dependency Management for Coala

### Activision

Shanghai, China

Software Development Intern

Sep 2017 - Dec 2017

- Implemented server-side interfaces and tests for Call of Duty: Online game features
- Diagnosed and optimized core multiplayer features alongside the SRE team
- Developed internal monitoring tools for server log aggregation, analytics and alerts

### FreeBSD Foundation

Kitchener, Canada

Open Source Software Developer

May 2017 - Aug 2017

- Developed and improved FreeBSD's userland and kernel tools
- Implemented several IoT projects on ARM devices running FreeBSD
- Presented work at BSDCan 2017, an annual international BSD conference

### NAVBLUE, an Airbus Company

Waterloo, Canada

Software Developer, DevOps

Sep 2016 - Dec 2016

- Implemented a centralized release management web application used by Dev and QA teams
- Improved the database automation scripts that reduced updating latency by 98%

## Activities

### The FreeBSD Project

Remote

Committer (under mentorship)

Sep 2017 - Present

- Lead the development of Electron ports and the Simplified Chinese Documentation Project
- Work with contributors worldwide to act on bug reports, bring in patches and promote FreeBSD

### UW Blueprint

Waterloo, Canada

Project Developer

May 2017 - Aug 2017

- Worked on the Water Festival mobile app project that helped teachers and children during the event

## Projects

### Cheat Chat Bot - Microsoft Hacks 2<sup>nd</sup> Place, team of 3

- A chat bot that provides developers with direct solutions to programming questions