Charlie Wang

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Education

Fall 2014 - present — 🏛 **Candidate for Bachelor of Computer Science, Honours Computer Science**,
University of Waterloo, Waterloo, ON, 2B Term.

Skills

Coding — </> Experienced with C, Racket (Scheme), Python, Java, Javascript

Software — >_ Familiar with Bash, Linux, Git, LaTeX, word processing

Experience

Work

Fall 2015 (full time) - present (part time) — 🖥 **Software Developer**, *Instructional Support Group, University of Waterloo*, Waterloo, ON.
- Develop front-end (Javascript) and back-end (Racket) features for Seashell, a browser-based C and Racket IDE used as course-approved software for students
- Diagnose and address bug reports from students and staff
- Prototype offline functionality by syncing files to users' browser storage

Fall 2015 — 👥 **Instructional Support Assistant**, *ISG, University of Waterloo*.
- Held office hours every week, helping students progress on assignments and learn CS course material
- Presented and prepared content for weekly tutorials to reinforce lecture material

Volunteer

Spring 2015 - present — 🔧 **Office Computer System Administrator**, *Computer Science Club, University of Waterloo*.
- Maintain and update softare on seven Computer Science Club office computers
- Troubleshoot software and hardware issues by analyzing logs and issue reports
- Provide technical support for club members

Projects

2015 — 🖥 **cs136-autosubmit**, *Side Project*, Python.
Wrote a python script to automatically submit CS course assignments to a central submission server. Used throughout the term, and saved time on every assignment.
- Submitted several successful upstream patches for open-source library

2013-2014 — 🎮 **DiscoSheep**, *Side Project*, Java.
Created a plugin for bukkit, an event-based Minecraft server API. Developed with mentorship and assistance from a more experienced programmer.
- Adds humorous sheep gameplay features to Minecraft, such as dancing sheep
- Has over 4000 downloads on a formerly-official plugin repository site, and is still functional today

Awards

2014 — 🏆 **President's Scholarship**, *University of Waterloo*, Waterloo, ON.

2014 — 🎓 **General Dynamics Ken Charter Memorial Scholarship**, *Bell High School*, Ottawa, ON.
Awarded for leadership and academic excellence