

Charlie Wang

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🌐 www.cwang.me

📄 www.github.com/gibstick

Skills

Experienced with C, C++, Python, Racket (Scheme), Java, Javascript

Familiar with Bash, Linux, Git, Vim, \LaTeX

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 to complete assignments
 - Diagnose and address bug reports from students and staff
 - Collaborate effectively in a distributed team using a git branching workflow
 - Prototype offline functionality by syncing files to users' browser storage
 - Received outstanding evaluation for Fall 2015 coop term

- Fall 2015 **Instructional Support Assistant**, *ISG, University of Waterloo.*
- In office hours, helped students progress on assignments and learn CS course material
 - Presented and prepared content for weekly tutorials to reinforce lecture material
 - Improved Bash and Python scripts used for testing student code and aggregating grades

Other

- Spring 2015 - present **System Administrator**, *Computer Science Club, University of Waterloo.*
- Maintain and update over seven Linux (Debian-based) Computer Science Club machines
 - Analyze logs and issue reports to troubleshoot software and hardware problems reported in ticket system
 - Provide technical support for club members

Projects

- Winter 2015 **cs136-autosubmit**, 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
- 2013-2015 **DiscoSheep**, 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

Education

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

Awards

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