Brian Voter

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EDUCATION

Cornell University - Bachelors in Computer Science with Classics Minor | 2017-2019 | Dean's List
Clarkson University - Comp. Sci. | 2015-2016 | Presidential Scholar | Scholarships: FIRST Robotics, Clarkson

SKILLS

Languages - Proficient: Java, Kotlin | **Familiar:** JS, Python, HTML
Platforms / Libraries: Android, Hibernate, Netty, Deeplearning4J, Selenium, HP UFT
Database: MySQL, MongoDB, H2

EXPERIENCE

Self-Directed | 2020 - 2022
- Developed tools for students of Chinese, including a dictionary conversion program and a plugin for creating vocab flashcards from Kindle books in Anki.
- Created a Grocery List Web App in Kotlin, which is compatible with desktop and mobile. List content is updated in real-time to support multiple shoppers

Cornell University - *Research Assistant* | 2018 - 2019
- Developed software in Kotlin for natural language research involving large text corpora

GE Digital - *Digital Technology Leadership Program Intern* | June 2017 - August 2017
- Conducted an in-depth pilot of a web testing framework for a QA team in Foxboro, MA. Completed overhaul with adaptations for team-specific needs. Software used: Protractor/Selenium (Node.js), Cucumber.
- Submitted a detailed recommendation to upper management regarding test software and strategies
- Developed, repaired, and improved automated browser tests in HP UFT while suggesting new best practices to the team

Clarkson University - *Software Developer* | May 2016 - December 2016
- Developed a full Java server/client application to administer homework and exams for remote learning. The application was used in several live thermodynamics courses

Clarkson University - *Research Assistant and Programmer* | September 2015 - May 2016
- Developed a high-performance application enabling big data mining using Twitter's REST APIs for research on the detection of fake accounts. JSON data was manipulated and stored in MongoDB for further analysis
- Wrote software to capture images from dozens of city skyline webcams for air quality research

Self-Employed - *Server Plugin Developer* | 2011 - 2016
- Created several game server plugins. Most popular plugin was designed to detect and eliminate spam and offensive messages, downloaded over 100,000 times by community members

Fairport High School - *FIRST Robotics Software Team Leader* | 2014 - 2015
- Led robot code development and held workshops to prepare students for programming during build season

COURSEWORK: Data Structures, Algorithms, Systems Programming, Operating Systems, Artificial Intelligence, Advanced Artificial Intelligence

PUBLICATION: Gurajala, S., White, J.S., Hudson, B., Voter B.R., and Matthews, J.N., 2016. Profile characteristics of fake Twitter accounts. *Big Data & Society* Oct 2016, 3 (2).

LEADERSHIP & ACTIVITIES

- Recipient of the Huayu Enrichment Scholarship to study Mandarin Chinese in Taiwan. Earned Level 5 (C1 / Fluent) on Test of Chinese as a Foreign Language (TOCFL) Exam in Taipei | 2021-2022
- Member, Cornell Association of Computer Science Undergraduates (ACSU) | 2017 - 2019
- Vice President, Clarkson Badminton Club | 2015 - 2016
- Physics Team Design Lab - Used mathematical modeling techniques to predict the motion of a matchbox car on an arbitrarily shaped track. | 2015
- Black Belt in Karate. Volunteered as an assistant teacher for classes. | 2005 - 2013