

Cedric Hansen

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SUMMARY

Software engineering student, and Varsity Ice hockey player, with a strong foundation in computer science concepts, and their implementation in various software related projects. Quick learner, strong problem solver, and effective communicator. Looking for full time opportunities following the completion of my bachelors degree.

SKILLS AND ABILITIES

Programming Languages

- Proficient in: Java, C#, Python, SQL, HTML, CSS, dart
- Familiar with: C/C++, Scala, Clojure, shell scripting

Software and Frameworks

- Experience with: Git/Github, Concurrent programming, Computer networking, Web Development, Database concepts, AWS, Docker, Bootstrap web Framework, MacOS, Windows, Linux, junit Testing Framework, Apache Maven, javaFX, java swing, Flutter framework

Miscellaneous

- Bilingual: French & English

EXPERIENCE AND PERSONAL PROJECTS

Backend Software Developer Intern

May 2019 – Present

IBM

- Worked on GC components of OpenJ9 Java virtual machine
- Modified concurrent mark starting point by analyzing allocation rates and deviations
- Contributed to SyntheticGCWorkload testing application
 - Added the ability to run as a javaagent to stress JVM/GC
 - Added the ability to repeat allocation patterns, which better simulates real applications
- Investigated customer issues regarding slow startup time on some linux platforms with preloaded libraries
- Made performance improvements for long lived applications by shortening GC time from 200ms, to less than 50ms

Automation Engineering Intern

May 2018 – Dec 2018

Novelis

- Development of online forms using C#, to facilitate plant wide equipment inspections
- Developed reports to display and analyze the information submitted through the forms (SQL)
- Wrote application to generate QR codes to automatically bring up appropriate forms when scanned (C#)

Software Design (Course)

Aug 2018-Dec 2018

SUNY Oswego

- Member of team that built an email analysis application, and was leader of the 'Engine' group
 - Using Java (including concurrency libraries), created the system's back end components and algorithms
 - Using JavaFX, worked on programs GUI
 - Using Junit, wrote unit tests

Hack Upstate (Hackathon)

Nov 2017

- Member of winning team in 'Open data' that created a Twitterbot to report city of Syracuse maintenance activities

EDUCATION

SUNY Oswego, Oswego, NY

Aug 2016 - Present

- Software Engineering B.S, Mathematics Minor

3.87 GPA

Gilmour Academy, Gates Mills, OH

Aug 2013 - May 2015

- High School Diploma

4.1 GPA

AWARDS AND HONOURS

SUNY Oswego: Presidents list x4, Deans list x2, Edward Auston Sheldon Scholars Award, SUNYAC Elite 20 2019, Quest presentation 2019, Academic Award (Men's Ice hockey)

Gilmour Academy: Head of Upper School award, AP Physics awards, Cum Laude Society, National Honour Society, Highest Honours