

# Christian Martinez

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## Education

**University of Illinois at Chicago**, Chicago, IL  
*B.S. in Computer Science*

Dec 2020

## Skills

**Languages:** Advanced in C, C++, Java, SQL. Proficient in CSS, F#, HTML, Python.

**Operating Systems:** Windows, Mac OS, Linux

**Software:** Visual Studio, Eclipse, Adobe Photoshop, Microsoft Office, Maven, GIT

## Work Experience

**Randa Accessories**, Rosemont, IL  
*IT Intern*

May - Aug 2019

- Automated a file compression process that was previously done manually
- Engaged in testing new software for errors
- Designed a time management system for the IT department to help improve productivity
- Helped modernize the companies training portal for all employees

**Best Buy**, Orland Park, IL

Aug 2016-Present

*Magnolia Audio and Video Specialist*

- Contribute to the top 15 percent for the quarter for the company in total revenue
- Train and excite employees on premium products
- Build trust with clients and give them a full package sale

## Student Projects

**Dare Mighty Things Hackathon**, Chicago, IL  
*Language Analyzer*

Feb 2020

- Configured Google Cloud APIs to help users identify products
- Queried Cloud SQL database with strings generated from spoken English
- Translated speech to query instructions via Natural Language API

**University of Illinois Hackathon**, Champaign, IL  
*IntelliVast*

Oct 2019

- Data Mined to find occurrences of company financial headlines using Aho-Corasick search algorithm
- Integrated Natural Language API to find an overall sentiment score of articles
- Modeled a spring mass system using Fast Fourier Transforms and a Low Pass Filter

**Data Structure Project**, University of Illinois  
*Service Queue*

Apr 2018

- Utilized a doubly linked list algorithm of objects to manipulate a queue with constant runtime
- Displayed clever usage of vectors within algorithm for best runtime results

**Personal Website**, Chicago IL  
*ChrisMartinez.dev*

Present

- Personal Website to learn more about web development using HTML and CSS
- Designed to make it easy to navigate when looking for personal information

**Algorithms**, University of Illinois  
*Perfect Subset Sum*

Mar 2020

- Finds the yield for distinct subsets, smallest yield, and distinct subsets with the smallest yield
- Incorporated dynamic programming to reduce overall asymptotic runtime of the perfect sum problem

## Organizations

**Association of Computer Machinery**, Chicago, IL  
**Algorithmic Trading Group**, Chicago, IL

Aug 2019-Present

Aug - Dec 2019