Jack Kotheimer

SOFTWARE ENGINEER IN CHICAGO, IL

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I am a firm believer in result-oriented work - It only took me three years to complete my undergraduate degree. That is not only because I set a goal to do so, but because I dug in and worked hard, all while remaining on the dean's list and collaborating on projects with other developers as much as possible. I truly am passionate about what I work for.

LANGUAGES		FRAMEWORKS	DATABASES	TOOLS
• Java • Bash • JavaScript • HTML5/CSS3	• C • PHP • Python • SQL	• Apache CXF • Node.js • Flask • Hibernate	• MySQL • Firebase • MongoDB/ Atlas	• Git • Linux • AWS • SSH • Apache

WORK EXPERIENCE

Computer Science Tutor, Loyola University Chicago, Chicago, IL, November 2019 – May 2020
- Tutored Loyola Computer Science students on an appointment basis (via Zoom as of March)

Research Assistant, Loyola University Chicago, Chicago, IL, July 2019 – December 2019
- Analyzed videos of CPS courses, ensuring curriculum and research standards were upheld

Java Programming Instructor, Digital Media Academy, Chicago, IL, June 2019 – August 2019
- Taught fundamentals of the Java programming language to high school students
- Focused on advocating problem solving strategies
- Structured a curriculum with hands-on project based learning

Android Research Developer, Loyola University Chicago, Chicago, IL, May 2019 – June 2019
- Collaborated with three other software engineers in person, full-time for a month
- Created customizable sign-language-based app for physically and vocally disabled people
- Produced an Android system called TalkMotion (See under 'projects')

EDUCATION

Loyola University Chicago, B.S. Software Engineering — 2020

PROJECT EXPERIENCE

Pianoboard — https://jackkotheimer.com/projects/#pianoboard
- Created a RESTful web service to create music projects which store and process client-made MIDI recordings
- **Utilized:** PHP, Node.js, Apache HTTPD, HTML/CSS/JavaScript, MySQL, Bash, GIT

ChatApp — https://jackkotheimer.com/projects/#chatapp
- Developed a customer service based chatting application focused on programmatic database manipulation
- **Utilized:** Python, Flask, Jinja2, HTML/CSS/JavaScript, MySQL, Bash, GIT

E-Commerce Website — https://jackkotheimer.com/projects/#ecommerce
- Built a RESTful API for a barebones e-commerce website
- **Utilized:** Java, Apache Server w/ CXF, Apache Maven, Junit, MySQL, Hibernate, AWS, GIT

TalkMotion — https://jackkotheimer.com/projects/#talkmotion
- Collaborated on an Android app to translate sensor readings from hand gestures to text-to-speech commands
- **Utilized:** Java, SQLite, Android Studio, object state machines, machine learning, GIT