

PATRICK CONNOLLY

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EDUCATION

Illinois Institute of Technology

Bachelors of Science in Computer Science
Graduated in May 2019

AWARDS

Leaders in Science and Technology Award
STEM+ Educational Scholarship
Heald Scholarship

RELEVANT COURSEWORK

Object Oriented Programming I and II
Data Structures and Algorithms
Database Organization
Computer Organization
Systems Programming
Operating Systems
Software Engineering,
Android Application Development
Information Retrieval
Digital Systems

SKILLS

Languages

Java	Python
C	mySQL
SQL	C#
Javascript	CUDA
C++	R

Android Development

REST API	Eclipse
SQLite	JDBC
Location mapping	JSON
Geospatial location	HTML
Github	PHP
Android Studio	

Operating Systems

Windows 7, 8, 10	Mac
Linux	iOS
Ubuntu	Android
Kali	

WORK EXPERIENCE

Event Manager and Audio Visual Technician

August 2017 – May 2019

Effectively oversaw the flow of dozens of weekly events including several Orientations, CPS events and events for the Mies Society. Also, was responsible for directing the use of A/V equipment while being a dedicated event technician.

News Gateway - Android Application

Fall 2018

Created Async tasks and newsapi.org to download news articles to be displayed for user convenience. Made an interactive layout using Fragment views and drawer menus to display a wide variety of downloaded news briefs.

Interprofessional Project - Research Project

January – May 2018

Antimatter Interferometer Simulation: collaborated with former employees of NASA and DoE to design and build a working muonium measuring device. Used a Tesla K40 Graphics card and its CUDA cores to decrease a simulated computation from $O(n^3)$ to $O(n)$. Rewrote Python code to compute the diffraction of a particle through a double grating.

Superior Labor Solutions - Local 4 Laborer

Summer 2017

Detail-oriented white glove cleanup and inspection. Cleaned up dust, debris, and other waste from construction, making sure location was spotless.

ACTIVITIES

Colleges Against Cancer

Entertainment Chair

Scheduled entertainment for Illinois Tech's Relay for Life event. Worked with a team of 12 leaders to budget \$1200 for food and entertainment.

Alpha Sigma Phi Fraternity

Secretary

Kept account of meeting minutes and distributed them to all active chapter members. Began development of new chapter website to display on campus website.

Computing Chair

Managed network of 4 story building with hundreds of connected devices. Installed house server to act as an academic resource.