

Daniel Doyle

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EDUCATION

University of Illinois at Chicago (UIC)

B.S in Computer Science, Concentration in Software Engineering

SKILLS

Languages: Java, C#, SQL, C++, C

Tools & Technologies: IntelliJ IDEA, Visual Studio, Android Studio, VIM, UNIX Shell, Git, Gradle, Amazon EC2

Operating Systems: macOS, Windows, Linux (Ubuntu, Mint, CentOS)

WORK EXPERIENCE

Olenick & Associates

2018 – Present

Software Test Engineer Consultant

- Tested and refactored code to solve run-time and memory issues in a PowerShell script for retrieving and exporting test case data from Visual Studio Team Services (VSTS), using the REST API.
- Wrote a Java program for creating JSON files mimicking VSTS REST API call results. Used in stress testing the VSTS PowerShell script against large data sets of 10,000+ test cases.
- Engaged in a 4-week training program to learn Black Box software testing best practices, and industry standard testing software such as HP Application Lifecycle Management (ALM) and VSTS.

Information Technology Unit – College of Pharmacy (UIC)

2016 – 2017

Computer Specialist

- Deployed Windows images to faculty and staff PCs using Microsoft Deployment Toolkit (MDT).
- Performed hardware diagnostics, repairs, and data recovery for Windows machines.

University Campus Programs (UIC)

2015-2017

IDEA Team Member

- Developed monthly presentations for student leaders to teach them effective organization management and event planning skills.
- Oversaw the planning and execution of the annual Taste of UIC, Winter Involvement Fair, and Fall Involvement Fair.

PROJECTS

Co-Op Swift

A Scrum project management Windows Forms application created with C# and Microsoft SQL Server. Created as a mock competitor to IceScrum for a software engineering course. Developed over a period of 10 weeks (5 sprints) in a team of 4.

- Designed and implemented the project's SQL database, hosted on the cloud platform Microsoft Azure.
- Wrote a C# Windows console application for database manipulation and testing.

AvocadoBot

A Discord Bot written in Java 8 that features a music streaming service and online image posting via Imgur. The bot is hosted on an Ubuntu EC2 instance on AWS. Discord is a popular chat & VOIP service for gamers.

- Programmed the YouTube music streaming feature utilizing an open source YouTube API wrapper.
- Implemented the Discord API to support access to the Discord platform and to provide a secure web-socket based connection for sending & subscribing to real-time events.
- Leveraged the Imgur RESTful API for the bot's online image searching and posting functionality.

ARChess

A device designed to reduce the cognitive load of skill acquisition in chess using an augmented reality program. The project was created by team of 7 people, as part of a graduate level Human Augmentics research class at UIC.

- Implemented Awe.js, an open source JavaScript library for marker-based augmented reality development.
- Developed the web application's GUI, which displays strategic information from the chess engine Stockfish.