

# Daniel Doyle

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## WORK EXPERIENCE

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### Olenick & Associates

2018 – Present

#### Software Test Engineer Consultant

- Developed SaaS application, integrated with VSTS and Power BI, to export and visualize test case data.
- Refactored and code reviewed internal tools, built with C#, PowerShell and .NET, improving run-time by 80%.
- Led test planning, execution, and maintenance efforts to ensure quality for client software development projects.
- Participated in the Agile(Scrum) SDLC process with a team of software engineers, QA testers, and business analysts.

### Information Technology Unit – College of Pharmacy (UIC)

2016 – 2017

#### Computer Specialist

- Deployed Windows images to 50+ faculty and staff PCs, each semester, using Microsoft Deployment Toolkit (MDT).
- Encrypted and disposed of data from university machines in compliance with HIPAA Privacy and Security Rules.
- Performed hardware diagnostics, repairs, and data recovery for Windows machines.

### Center for Student Involvement (UIC)

2015-2017

#### IDEA Team Member

- Created automated grading tools for streamlining the department's annual student organization renewal process.
- Facilitated over 20 workshops for students to teach them effective organization management and event planning.
- Oversaw the planning and operation of 2016 Winter and Fall Involvement Fairs, servicing over 2,000 UIC students.

## TECHNICAL SKILLS

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**Proficient:** Java, C#, SQL, Git, Selenium, Gradle, .NET, NUnit, HTML5, CSS3, Linux, Microsoft SQL Server

**Exposure:** C, C++, F#, JavaScript, Android SDK, Node.js, Bootstrap, AWS EC2, Azure, JUnit

## EDUCATION

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### University of Illinois at Chicago (UIC)

B.S. in Computer Science, concentration in Software Engineering

December 2017

## PROJECTS

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### AvocadoBot | Software Developer

2018

*Discord chatbot featuring music streaming via YouTube, and integration with Imgur for online image searching and retrieval. Discord is a popular chat & VOIP service for gamers.*

- Developed intuitive music streaming and playlist queueing feature using Java, with the YouTube REST API.
- Implemented image searching and posting with the Imgur RESTful API.
- Hosted on an Ubuntu AWS EC2 instance, utilizing the Discord API for publishing and subscribing to real-time events from Discord servers.

### ARChess | Software Developer

2017

*An IoT device designed to improve skill development in chess, using a marker-based augmented reality web application.*

- Collaborated with 7 engineers to design both the hardware and software systems, using an Arduino microcontroller, JavaScript, and Node.js to capture board state data for the chess engine Stockfish.js.
- Developed the UI and augmented reality overlay, with Awe.js, to visualize real-time strategic data for the user.

### Co-Op Swift | Software Developer

2016

*Windows desktop application for Agile software development project management.*

- Facilitated weekly group meetings to management development between engineers to build the Scrum planning and tracking system, using C# and Windows Forms.
- Architected the application's relational database, using Microsoft SQL Server and Microsoft Azure.

## LEADERSHIP

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**Kappa Pi Beta Fraternity Inc. – Beta Chapter, Executive Board and Member**

2012 – Present