

# Claire Boyan

2147 Oak Ct. Naperville, IL 60565 | (630) 981-7152 | cmboyan@gmail.com

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## EDUCATION

### University of Illinois at Urbana-Champaign

*BS in Mathematics & Computer Science with a Minor in Physics*

Aug. 2017 - May 2021

## RELEVANT EXPERIENCE

### ARIS Technology

*Software Developer*

Batavia, IL

Summer 2019

- Programmatically enhance automated robotic 3D scanning to ensure better quality control
- Implement new application features, including configuration files, autosaving data, and multithreading to improve cycle time
- Write extensive code using .NET Framework (Visual Basic, C#)

### University of Illinois Residential Technology Services

*Peer Computing Consultant*

Champaign, IL

Aug. 2018 - Present

- Teach residents basic computer applications and use of facilities
- Identify and report problems with hardware and software on lab computers
- Ensure that the site environment is conducive to academic work

### Engineering for Kids

*Instructor*

Chicagoland, IL

Summer 2018

- Teach kids ages 4-6 about different fields of engineering
- Individual camps last 5 days at a time and include 2+ activities/crafts relating to the specific field

## PROJECTS

### Encrypted File Backup System

*Honors project for Systems Programming course (CS 241)*

Spring 2019

- Uses TCP networking to establish client/server connections
- Client can send/receive files (similar to Google Drive/Dropbox)
- Implementation of an encryption library to encrypt files with keys only available to clients

## LEADERSHIP & ACTIVITIES

### SIAM (Society of Industrial and Applied Mathematics)

*Undergraduate Officer / Event Organization*

Champaign, IL

Aug. 2017 - Present

- Organize SIAM events; further the application of mathematics and computational science at U of I

### Affinity Sports Naperville

*Founder, Director of Coaching*

Naperville, IL

Aug. 2016 - Present

- Lead a fun and encouraging soccer program for children with disabilities

## SKILLS

### Programming

C/C++ (expert), Java (expert), MIPS (expert), LaTeX (expert), .NET (expert), Verilog (proficient), Linux (expert), Github (expert), Terminal/Command Line (expert)

### Languages

English (native), Spanish (proficient)