

Braeden J. Diaz **(M.S. BCS. Computer Science)**

Objective

A recent Computer Science Alumni Graduate from the University of Utah in search of a position for a company in need of a worthy certified IT professional.

Education

The following is each of the degrees which I have obtained. If viewing this résumé digitally, you can click the provided hyperlinks to either view and/or verify my diplomas.

- **May 6, 2021:** Master of Science (M.S.), Computer Science, University of Utah.
([View](#), [Verify](#))
- **May 6, 2021:** Bachelor of Science in Computer Science (BCS.), University of Utah.
([View](#), [Verify](#))
- **December 5, 2015:** Associate of Science (A.S.), Computer Sciences and Information Systems, Salt Lake Community College.
([View](#))
- **August 8, 2016:** Associate of Science (A.S.), Mathematics, Salt Lake Community College.
([View](#))
- **June 5, 2014:** High School Diploma, Copper Hills High School.
([View](#))

Background

- A generalist who is adaptable and proficient in the design and programming of software and hardware in a wide variety of areas in Computer Science including software development, full stack web development, networking, cybersecurity, cloud, databases, distributed systems, computer systems, operating systems, computer architecture, and more.
- Although a generalist, my areas of most and current experience include full-stack web, web video (WebRTC), networking (protocols, APIs, cloud, docker, etc.), and Content Distribution Networks (CDNs).
- Holds multiple industry-level certifications in various areas of Computer Science. See the section for industry certifications on the last page.
- Has a history of productivity and successful project outcomes in academics and individually. See awards on my [GitHub portfolio repository](#).

Experience (Educational)

- 10+ years of experience in general software development.
- 5 years of experience in vanilla full-stack web development (HTML, CSS, JavaScript, web servers, and MySQL databases).
- 2 years of experience in peer-based web video and content sharing (WebRTC, WebTorrent).
- 1 year of experience in modern web development frameworks (React, NodeJS, ExpressJS, etc.)
- Experience with team-based workflow processes such as Agile, and experience with individual workflow and deployment.

Programming Languages/Frameworks/Tools

Note: The following list is not comprehensive.

Web, Front-End

- HTML5, CSS, SASS, Bootstrap, JavaScript, TypeScript, React, React Router, React Native, Redux.

Web, Back-End

- NodeJS, ExpressJS, NextJS.

Web, Back-End, Databases

- MySQL, MongoDB (NoSQL), Mongoose.

Web, Video

- WebRTC, WebTorrent, HTTP streaming, DASH protocol, CDNs.

Software

- Python, C#, Java, C++.

Software, Video

- FFmpeg, youtube-dl.

Software Versioning

- Git, GitHub, GitLab.

Cloud/Networking/Deployment:

- Amazon Web Services (AWS), Heroku, Docker, Emulab/PowderWireless, and direct deployment on in-house servers.

Industry Certifications

Each certification can be verified using the website and code provided within each certification.

1. Microsoft Technology Associate (MTA):

- Software Development: ([View](#))
 - C# Programming Language
 - Visual Basic Programming Language
- IT Professional:
 - Microsoft Security Fundamentals ([View](#))
 - Windows Operating System ([View](#))
 - Microsoft Networking Fundamentals ([View](#))
 - Microsoft Windows Server Administration ([View](#))

2. CompTIA: IT Strata ([View](#))

3. Internet and Computing Core Certification (IC3 GS4) ([View](#))

([1 - Key Applications](#), [2 - Living Online](#), [3 - Computing Fundamentals](#))

For any questions about my education, industry certifications, or anything else, please contact me at the e-mail address and/or phone number specified in the header of this résumé. Thank You.