

# Nicholas Baillon

[nicholasbaillon@gmail.com](mailto:nicholasbaillon@gmail.com)

(508)280-9819  
Grayson, KY

<https://nickwashere.github.io/>

## Work Experience

---

**Software Engineer**

**Vision Government Solutions**

**June 2021 - Oct. 2024**

**Hudson, MA**

Worked remotely in Agile Scrum environment to create mass appraisal software for evaluating real property in a fair and equitable manner according to IAAO standards. Attended daily meetings to collaborate with development and QA team members. **Confluence, Jira, Outlook, MS Office, MS Teams, Zoom, Slack.**

### Projects

- Desktop Application. CAMA software with heavy use of stored procedures and JSON serialization. Success of the software depends on its calculator logic producing consistent values along with new feature development. **WPF/WCF, C#, XAML, RESTful API, T-SQL, SSMS.**
  - Regression analysis feature allows export and import of data for statistical software packages (SAS).
- Admin Web App. Developed for high-profile customer. API passes JSON objects to Windows service which executes tasks at specified times. **React, JavaScript, node.js, RESTful API.**
  - Designed over two year period as part of small team. Responsible for researching which tech stack to use. Integral role in schema and UI design process, and revisions to meet client's needs.
- Data Entry Web App. Allows users to quickly modify common database fields. Linked to cloud-hosted service for saving associated photos. **Blazor, C#, HTML/CSS, RESTful API, T-SQL.**
  - Created UI layout over an extended weekend hackathon, to match client's existing paper forms.

## Education

---

**B.Sc. Computer Science**

**Bridgewater State University**  
**Bridgewater, MA**

**Sep. 2016 - May 2020**

Primary Major: Computer Science, Secondary Major: Mathematics, Minor: Statistics.

### Honors and Awards

- Graduated *summa cum laude*. 3.9 GPA. May 2020
- Pi Mu Epsilon. National mathematics honor society. April 2019
- Presidential ROSE Scholarship. Specific to BSU, full tuition and fees paid. 2016-2020

### Projects

- Text Adventure Game. Zork-like game with text parsing system achieved with dictionaries containing verbs and nouns. Implemented abstract classes, inheritance and other OOP principles. **C++.**
- Chatroom Website. Allows users to register and send text messages in chat to all users or a single specified user. User information and settings stored in database. **Angular, PSQL, Heroku.**
- Breakout Game. Designed graphical, real-time game. Defined location of blocks, speed of ball and keyboard inputs for movement of paddle. **x86 Assembly.**

## Technologies and Languages

---

Operating Systems:	Windows (10, 11), Linux (Ubuntu), Mac (OSX).
Languages:	C, C++, C#, F#, Java (Swing, Android), Prolog, Python, R, Swift, x86 Assembly.
Web Development:	Angular, React, node.js, HTML, CSS, JavaScript, TypeScript, JQuery, AJAX.
Databases:	Microsoft SQL Server (T-SQL), MongoDB, PostgreSQL, SQLite, MySQL.
IDEs and Text:	Eclipse, JetBrains (PyCharm), R Studio, SAS, Visual Studio, VS Code, Notepad++.
Version Control:	Heroku, GitHub, GitKraken, Sourcetree.
Misc. Software:	MS Office (Excel, Word, etc.), LibreOffice, GIMP, Audacity, VirtualBox, WireShark.