Ben Abbett

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EDUCATION

Gordon College   Wenham, MA
Bachelor of Science, Mathematics and Computer Science   *Aug 2017 – May 2021*

EXPERIENCE

Brick River | *Software Developer, Exeter, NH*   *Jul 2021 – Present*
- Developed a set of Azure Functions to retrieve, validate, and merge 30,000 local nonprofits' data to a single database for review by their national administration.
- Built dashboards in both Retool and Internal.io to manage the data, including notifying users of over 200 different types of errors.
- Lead developer on effort to expand ASP.Net application that collects and validates yearly statistics from approx. 300,000 users. Met twice a week with customer to discuss progress and address backlog.

Planet Fitness | *Information Systems Intern, Hampton, NH*   *Jan 2020 – May 2021*
- Responded to actionable Google Play and App Store reviews with mitigation steps. Monitored and escalated trends and new issues to development team.
- Completed production support tickets for a wide array of app issues.
- Analyzed review data and sentiment statistics to direct future development focus.

Gordon College | *Software Engineer Intern, Wenham, MA*   *Sep 2018 – Sep 2020*
- Met weekly (following Agile) with a team of school faculty and staff to assess site progress and create goals for site development.
- Found and fixed bugs preventing use of key site features, added functionality enhancing user experience, and made changes improving accessibility of site for keyboard and visually impaired users.
- Studied documentation to learn new languages and frameworks (React.js, JavaScript, C#).

Voryx Technologies | *Game Developer, Rochester, NH*   *Jun 2017 – Sep 2017*
- Collaborated with team of four developers to build two mobile games using Unity and C#.
- Implemented Scrum board and planned milestones to increase team productivity while simultaneously contributing bugfixes and assigned features to GitHub. Ported iOS version to Android.
- Finished game 2 weeks ahead of deadline using Agile, despite code overhauls and unexpected delays.

PROJECTS

About Me | *JavaScript, React, TailwindCSS, Next.js, Firebase*   *November 2022 - Present*
- Programmed a personal static web portfolio using Next.js and TailwindCSS, deploying it with Vercel.
- Hosts a multiplayer version of Tic-Tac-Toe using Firebase's Realtime Database
- **Link:** abbett.dev

AM/PM Catalyst | *Java, MySQL*   *Fall 2020 – Spring 2021*
- Lead the creation of a Java applet which allows AM/PM employees to automate their entire workflow.
- Employees can enter customer's medical history in the application, which is saved to a MySQL database. Once finished, the employee can generate a PDF booklet that can be printed and given to customer and family members for use at doctor visits and in emergencies.
- Produced software in an agile environment and presented various MVPs, design docs, project backlogs and demos to stakeholders.

Power Method Calculator | *C++, CUDA, OpenMP, MPI*   *Spring 2019*
- Created a program which uses a CUDA-parallelized algorithm to calculate the dominant eigenvalue of a matrix
- Implemented shared memory caches and various reduction algorithms in order to optimize for speed
- The program consistently computes the dominant eigenvalue of a 10,000 x 10,000 matrix in under 2 seconds

TECHNICAL SKILLS

Languages: Python, C#, C/C++, Java, JavaScript, SQL, HTML, CSS
Cloud: Microsoft Azure, Amazon Web Services, Google Firebase
Tools: Git, React, Next.js, Bootstrap, Hyperscript, ASP .NET, CUDA