# Alex Bellomo

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| **Education** | **Carnegie Mellon University** | Pittsburgh, PA |
| | Bachelor of Science in Information Systems, Minor in Software Engineering | 2022 |
| | **Relevant Coursework** | Pittsburgh, PA |
| | Distributed Systems (GO), Principles of Software System Construction (Java), Principles of Imperative Computation (C), Introduction to Computer Systems (C), Database Design (SQL, Redis, MongoDB), Web Application Design and Development (Ruby on Rails, React) | 2018-2020 |
| **Work Experience** | **Parthean**, *Software Developer* | Pittsburgh, PA |
| | - Built and styled a community hosting platform using React, Bootstrap, and Sass. | 11/2019-5/2020 |
| | - Refactored the codebase to improve readability, extensibility, and efficiency. | |
| | **Impactiv, Inc.,** *Software Engineering Intern* | Pittsburgh, PA |
| | - Built, maintained, and edited over 200 e-commerce websites for small business owners using HTML, CSS, SASS, JavaScript and PHP. | 6/2019-8/2019 |
| | - Upgraded and integrated a cross-functional agile development platform. | |
| | **Carnegie Mellon | Astrobotic | NASA,** *Mission Operations* | Remote |
| | - Drafted and published mission operations requirements for MoonRanger, a fully autonomous lunar rover being jointly developed by Astrobotic and Carnegie Mellon under a NASA contract. | 5/2020-8/2020 |
| | - Developed a mission simulator used to optimize the workload shared by operators. | |
| | **Wintergreen Resort,** *Snowsports Instructor* | Wintergreen, VA |
| | - Instructed children and adults of all skill levels in group and private snowboarding lessons. | 12/2016-5/2018 |
| **Projects** | **Carnegie Mellon Booth Game - Miguel in the Musical Maze** | Pittsburgh, PA |
| | - Created pathing algorithms and programmed a real-time music synthesis socket using Unity3D and C#. | 2019 |
| | - Designed the game environment and contributed to assets including meshes and textures that were consistent with themes from the Disney movie Coco. | |
| **Programming Experience** | Scripting - Java, C, Python, GO | |
| | Full Stack Development - HTML, Sass, CSS, Javascript, SQL, Redis, MongoDB, React, Ruby on Rails, Postgres, MySQL | |
| **Leadership & Organizations** | **Sigma Phi Epsilon,** *Philanthropy Chair & Vice President of Member Affairs* | Pittsburgh, PA |
| | - Coordinated philanthropy efforts on campus, including various service opportunities and fundraising events. | 2019 |
| | - Founded a not-for-profit ice cream organization with a custom line of CMU-themed flavors. All proceeds were donated to 412 Food Rescue, a local Pittsburgh charity initiative dedicated to fighting hunger. | |
| | **Greek Sing,** *Chair* | Pittsburgh, VA |
| | - Managed an inter-organizational musical complete with set design, music composition, choreography, and tailored costumes. | 2019 |
| | - Won second place and contributed to raising over a quarter million dollars for 412 Food Rescue. | |