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| Maxwell Burson  Software Engineer | 805 441 6163  maxwellburson@gmail.com [<link>](mailto:maxwellburson@gmail.com)  linkedin.com/in/maxwellburson [<link>](https://www.linkedin.com/in/maxwellburson)  github.com/maxwellburson [<link>](https://github.com/maxwellburson) |
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| PROJECTSBitBoss Battles 2.0 *- livestream overlay game* SEP 2017 - NOV 2017   * Typescript, React.js, Node.js, Webpack, TypeDoc * BitBoss Battles brand used by 12-15 thousand streamers. * Headline product at Opera Event’s TwitchCon 2017 booth, with great user feedback.   + Featured in two livestreamed panels.   + At least 2,000 booth visitors with lines. * Battle events pre-calculated in Node.js and played in real time on clients. * Low latency and little ongoing data use. * Integrated with Twitch.tv overlay, Opera Event backend systems, and other Opera Event products. * Custom tooling includes balance tool that exports .csv files and local test environment. * Complete game including complex skills, attack timings, and graphics.  Corewar[<link>](https://github.com/maxwellburson/42_corewar) *- virtual machine battle arena* APR 2017 - MAY 2017   * C, Python * Compiles custom assembly language to VM program binary format. * Binaries execute in a reverse engineered virtual machine. * Terminal display with ncurses. * Python script used to compare project and reference executable memory dumps.  push\_swap [<link>](https://github.com/maxwellburson/42_push_swap) *- constrained sorting* FEB 2017   * C, Bash * With limited operations, sort arguments. * Bash script finds average moves to sort and failing results. | EXPERIENCEOpera Event, Fremont CA *- Intern* AUG 2017 - NOV 2017   * Lead developer and architect of BitBoss Battles 2.0. * Collaborated with executive team on design, engineering, and integration. * Lean software and startup practices, with weekly customer feedback sessions.  SKILLS  |  |  | | --- | --- | | Primary: | Typescript/Javascript, C, Git, HTML5, CSS3 | | Secondary: | Go, Bash, React.js, C++, Python, Lean Development |  EDUCATION42, Fremont CA 2016 - 2017  Computer science school with project based learning, peer collaboration, and technical rigor.  *“My God is 42 impressive. This is not another programming bootcamp. It's another MIT.”*  - Paul Graham, Y Combinator [<link>](https://twitter.com/paulg/status/847844863727087616?lang=en) Free Code Camp, Online [<link>](https://www.freecodecamp.org/maxwellburson) 2016, *FRONT END CERTIFICATE* Allan Hancock College, Santa Maria CA 2013 - 2014 |