

(407) 408-4325
Boston, MA
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Gabriel Klavans

Software Engineer

GitHub: gabeklavans
LinkedIn: gabrielklavans

Computer Scientist interested in signal processing, developing software for audio/music, and generally making people's lives better. Passion for music, video games, and free, open source technology for all.

SKILLS

Languages JavaScript/TypeScript, Java, Python, C++/C, Git, \LaTeX
Tools and Environments NodeJS, AngularJS/ReactJS, Git, VSCode, MongoDB, Jenkins, Mocha/Chai

TECHNICAL EXPERIENCE

ASSOCIATE SOFTWARE ENGINEER **Sept 2021 — Present**
Canon USA, Healthcare Optics Research Lab *Cambridge, MA*

- Completed component for uploading firmware to STM32 ARM chips within our proprietary application
- Prototyped and collaborated on a Jenkins automated build-server for use in multiple projects

FULL STACK JAVASCRIPT ENGINEER **(Intern) Aug 2020 — Apr 2021 / (Full-time) Apr 2021 — Sept 2021**
Tapple *Boston, MA*

- Contributed to every level of the stack: AngularJS, SailsJS (NodeJS wrapper), MongoDB
- Spearheaded feature involving PhaserJS-based customizable browser games
- Worked closely with technical lead to discuss architecture and design goals for the product
- Took charge of style/static analysis tools for code-base

PERSONAL PROJECTS

NUMPADULATOR
<https://github.com/gabeklavans/Numpadulator>

- Numpad that doubles as a physical 4-function calculator
- Designed case/plate fixtures in Fusion360
- Designed and assembled PCB from scratch using KiCad
- Runs on a slightly modified version of QMK, a C-based open-source keyboard firmware

STALKS.
<https://github.com/gabeklavans/stalks-app>

- ReactNative mobile companion app for the game Animal Crossing: New Horizon

EDUCATION

Master of Science in Computer Science, *Boston University* **Sept 2020 — May 2021**
Bachelor of Arts in Computer Science, *Boston University* **Sept 2017 — May 2021**

ACTIVITIES

BU Bands Member, *Boston University* **2017 — 2021**
Xylo & Drumset Player *Spartans Drum & Bugle Corps* **2018, 2019 (Gold Medalists)**
Discrete Mathematics Course Assistant *Boston University* **Spring, 2020**