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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

<b>Languages</b>	JavaScript/TypeScript, Java, Python, C++/C, Git, $\text{\LaTeX}$
<b>Tools and Environments</b>	NodeJS, AngularJS/ReactJS, Git, VSCode, MongoDB, Jenkins, Mocha/Chai

## TECHNICAL EXPERIENCE

### ASSOCIATE SOFTWARE ENGINEER

*Canon USA, Healthcare Optics Research Lab*

**Sept 2021 — Present**

*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

*Tapple*

**(Intern) Aug 2020 — Apr 2021 / (Full-time) Apr 2021 — Sept 2021**

*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

### NUMPADULATOR

*independent*

<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

## 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**