

# Sarim Abbas

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## Education

**Yale University**, May 2020

- BS Computer Science, GPA: 3.85/4.0
- Relevant coursework: Creative Embedded Systems, Digital Systems, Machine Learning, Intelligent Robotics, Natural Language Processing, Discrete Math, Management of Software
- D.E. Shaw Latitude Fellow (studied fin-tech) (2018)
- Cyber Security course at University of Cambridge (2018)

## Experience

**Thinkspaces**, *Founder & CTO*, Aug 2018 - Present, New Haven, <https://thinkspaces.org>

- Web platform for entrepreneurs, students and talent to organize around projects
- Recruited and managed a distributed team of six marketers and engineers
- Led switch from templated Flask to React SPA for responsive and interactive UI
- Accepted into Tsai Accelerator; oversaw monthly user growth of 50% and post growth of 30%
- Advised by A16Z and FB mentors, won award at Innovation Summit, now expanding to West Coast

**Center for Innovative Thinking at Yale**, *Ambassador*, Aug 2019 - Present, New Haven

- Upgrading CITY's digital presence: modernizing website by enforcing accessibility and UX principles
- Built a Zapier alternative to two-way synchronize CITY's Airtable with their Google Calendar, and an in-development interactive dashboard (both hosted on Heroku) for their new building in 2020

**Interactive Machines Group**, *Research Assistant*, Jan 2019 - Present, New Haven

- Developed novel interface where visuals are projection mapped onto 3D-printed robot shell (output); the robot can be commanded by interacting with the projection (input)
- Improved robot collision safety by programming a new controller to account for excess servo load

## Projects

**Intrepid**, 2019, <https://github.com/sarimabbas/intrepid>

- Markdown note-taking app for macOS
- Uses a bundle format. The long term vision is to create a unified format for heterogenous web data. Read more here: <https://sarimabbas.com/posts/2019/unified-productivity>
- *Notable tech*: Vue, Bulma, Electron, ProseMirror, Tiptap

**Waqt**, 2018, <https://waqt.app>

- Timezone tracking web app with cohesive UX, auth & sync, and complex state management
- Featured in Lifehacker, Gigazine; front-page Product Hunt; ~6000 peak monthly users
- *Notable tech*: React, Firebase, Google Maps API, MomentJS

**Peabody Spaces**, 2019, <https://sarim.page/peabody>

- Developed new digital identity for Peabody Museum that reimagines visitor experience
- Introduced novel UX and accessibility, such as variable width CSS fonts, interactive SVG map

**Other**: can be found on my website, or <https://github.com/sarimabbas>

- A 3D-printed robot arm, controlled by an Arduino and an Xbox controller
- A theremin (musical instrument) using ultrasonic sensors and an ESP32 dev module
- ReactJS alternative (senior thesis): graph-based UI framework using pub-sub for state management

## Activities & Skills

- Python, HTML/CSS, C, Java, Go, C++, React, Vue, Svelte, Electron
- **CS50 TA**: taught and graded section of ~20 students for full semester about core CS, crypto, web dev
- **HackYale Co-President**: Taught four CS workshops to non-majors (~90 students)
- **Debate**: Winner of Yale Political Union (YPU) prize debate and executive-board member