Mitchell Jones

I'm a student, coder, and maker with a passion for project-based learning and teaching. I'm most interested in bridging the boundaries between computer science and other disciplines, and making technology more accessible for everyone.

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EXPERIENCE

PROFESSIONAL

LifeBac, Las Vegas, NV, United States   JUNE 2018 - PRESENT
Software Engineer / Content / Founding Member

LifeBac is a science-based online addiction treatment clinic for alcoholics and excessive drinkers that my father and I started last summer. From concept to research to funding, I've worked on all aspects of LifeBac since its inception. I wrote our business plan, built an online pitch deck, and continue to update both while working on other content, like an investor update letter and the script for a marketing video. We've raised $260,000 so far and are working on a minimum viable product.

Freelance, Las Vegas, NV, United States   JULY 2018 - PRESENT
Web & Graphic Designer/Developer

I have two clients for whom I freelance web design, web development, content creation, and graphic design. I meet with clients who have little to no experience with web design, and turn anything from a few bullet points on a notepad to hand-drawn site concepts into functional, fast, and modern online interfaces.

ACADEMIC

Institute of Neuroinformatics, Zürich, Switzerland   MARCH 2018
Research Assistant

I worked with PhD students at ETH Zürich and the University of Zürich's Institute of Neuroinformatics on various small projects in neuromorphic computing and machine vision. Programming in Python, JavaScript, and some C++. I was mentored by Julien Martel, Turlough Neary, and Professor Matt Cook.

Sydney Institute for Astronomy, Sydney, Australia   MARCH 2017
Research Assistant

I worked with PhD students at Sydney University's Institute for Astronomy on creating a Python application that analyzes and compares different processing pipelines for Kepler K2 data. I was mentored by Professor Tim Bedding.

SKILLS

Programming Languages

- JavaScript	Advanced
- Java	Advanced
- HTML/CSS	Advanced
- C	Intermediate
- Python	Intermediate
- C#	Intermediate
- Lisp	Novice
- PHP	Novice
- Solidity	Novice
- C++	Novice

Frameworks

- jQuery	Advanced
- Bootstrap	Intermediate
- React.js	Novice

Platforms

- Node.js	Advanced
- Unity	Intermediate

Software

- Photoshop	Advanced
- MS Office	Advanced
- Google Drive	Advanced
- Premiere Pro	Intermediate
- Illustrator	Novice
- After Effects	Novice
- Blender	Novice

AWARDS

Rochester Dean's Scholarship
for academic achievement and the potential to make unique contributions to student life.
2018-2022

EDUCATION

University of Rochester, Rochester, NY, USA   2018 - 2022

By the Numbers

- GPA: 3.83

Programs

- **The Medallion Program**
  The Medallion Program aims to educate student leaders by providing opportunities for intentional learning, self-reflection, and skill development. Students enrolled in the Medallion Program gain a strong sense of self-awareness, work effectively with others, and become civically and socially engaged. I joined the Medallion Program to hone my leadership skills and meet like-minded student peers.

Extracurricular

- **Events and Classroom Management (ECM)** Work-Study
  As a trained ECM Technician, I setup, take-down, run, and troubleshoot all kinds of campus events like academic conferences, student performances, and Meliora Weekend festivities.
- **UR Debate Union (URDU)** - Member

Choate Rosemary Hall, Wallingford, CT, USA   2014 - 2018

By the Numbers

- GPA: 3.7 / 4.1   - ACT: 34

AP (or higher) level classes

- AP Computer Science: A   - AP Calculus: A
- AP U.S. History: A-   - Honors Interactive Media, DS: A
- Honors French 651: A-

Extracurricular

- Choate Debate Team - Meeting Leader
  I lead weekly debate meetings, training novice debaters, and competing in advanced tournaments on weekends.
- Rothberg Catalyzer - Finalist
  My team and I were chosen to advance to the Rothberg Catalyzer final at Brown to compete against teams from Brown, Carnegie Mellon, Yale, and U Penn.
- Choate Programming Union - Member
- JV Ultimate, Thirds Tennis

University of Rochester Dean's List
2018

Enhanced Research and Innovation Grant ($4,500)
awarded to Rochester students for motivation, creativity, and strong potential for success.
2018

Paul Mellon Scholarship for academic excellence and drive in the study of math, computer science, and/or science.
2014-2018

Choate Rosemary Hall Award for Excellence in Advanced Study of Computer Science; the highest honor in Computer Science.
2018

Deans' List for Choate Students Who Excel in All Subjects
2016-2018

LANGUAGES

English	Native
French	Near-Fluent

SELECTED PROJECTS

mitchelljones.com — *Gallery*   Homepage   GitHub

My personal website, which houses a gallery of some of my favorite major and minor projects. www.mitchelljones.com.

Rothberg Catalyzer — *Hackathon*

With a project centered around the health, safety, and comfort of children during disaster relief, I led my 4-person team to win the Choate Rothberg Catalyzer and advance to compete against teams from Yale, Brown, Carnegie Mellon, and the University of Pennsylvania. Our project, taking the form of a children's toy, incorporates biomedical data sensors to assess and aid children and adolescents affected by major disasters.

Battle Blocks — *Application*   Homepage   GitHub

The product of a term-long Directed Study in interactive media and game design, Battle Blocks is a video game that combines the eye-catching art style and exciting gameplay of a traditional platformer-shooter with turn-based strategy unique to the genre. I built the game from scratch in the Unity engine, designing the user experience and game mechanics, coding both the client and server systems, and drawing and animating all of the visuals.

Locke Pocket — *Web App*   Homepage   GitHub

The official web wallet for the cryptocurrency Locke. Locke Pocket is a secure, easy-to-use Ethereum token wallet. Alongside Locke Pocket, I built a barebones, open-source ERC-20 web wallet template for anyone who'd like to make their own secure custom Ethereum token web wallet. www.lockepocket.com.

VOLUNTEERING

Life Enrichment Volunteer — *Aegis Living*

I worked with Life Enrichment Director Stephen McClelland to care for and entertain patients, as well as helping to clean and maintain the premises.