

Joshua Brown

josh9051@gmail.com · joshbrown.info ·  JBis9051

Work Experience

(concurrent with High School Studies)

NYAAFF · February 2020 - Current

Web Developer

- Designed and developed a website for an advocacy organization
- Created a custom static site generator to transform data and templates into HTML

Tamarack Tower · November 2019 - Current

Web Developer and Server Administrator

- Designed and developed webpages to enable the online purchasing of event tickets and membership subscriptions
- Created a custom PayPal payment API wrapper to simplify donors' transactions
- Set up and managed a Google Cloud Compute VM instance to host the website and to store donor data
- Managed MySQL databases containing donor information

MacAndrews & Forbes Incorporated · July 2018 - August 2018

Cyber Security Technician Intern

- Created and managed AWS Ubuntu and Windows instances
- Configured network security rules and identified irregularities using Sophos Central, and then worked with my team to mitigate
- Reviewed network logs and generated user activity reports using Palo Alto Networks Console

Port Chester - Rye Brook Public Library · March 2018 - Current

Web Developer and Server Administrator

- Developed webpages to facilitate donations and designed a database to store donors' form data
- Integrated the PayPal payment API to accept debit/credit cards, bank accounts, and PayPal accounts
- Set up and managed Google Cloud Compute VM instance to host the webpages and to generate donor data reports
- Identified critical security concerns, e.g. integrating SSL/TLS certificates and auto-renewal scripts, and led a team mitigation effort

Projects

Blind Brook Scheduler · August 2019

- Developed a website for students to efficiently generate a class schedule based to simplify the rotating block schedule including a calendar export feature for users to transfer their schedule to their phone calendars for automatic reminders

StackOverflow Chat Bot · May 2019

- Created a chat bot for communication in and administration of the StackOverflow JavaScript chat room
- Integrated a three tier security method of executing and evaluating untrusted user inputted code on a server
- Built a plugin API to enable additions by other developers
- Documented the unofficial StackOverflow chat API to allow other developers to create their own bots

Skills

- | | | |
|---------------|--------------------------------|--|
| • Node.js | • PHP | • Linux server administration |
| • HTML/CSS/JS | • Database (MySQL, PostgreSQL) | • Microsoft Excel |
| • jQuery | • AWS and GCE VM management | • Adobe Photoshop, After Effects, and Premiere Pro |

Education

Blind Brook High School · Class of 2021

- **Completed:** AP Computer Science, Honors Engineering, Engineering
- **In Progress:** AP Computer Science Principals (Self Taught), Robotics

Purdue University · July 2019

- Introduction To Systems Development (CNIT 18000)

References available upon request