Paco Coursey

github.com/pacocoursey   paco.im   p@paco.im

Software Engineer Intern, *National Radio Astronomy Observatory*

Summer 2016, Summer 2017

- Collaborated with software developers of the Science Support and Archive team.
- Improved programs used by astronomers to display and interact with complex telescope data from an internal pipeline and database.
- Rewrote secure parameter storage and retrieval used across the organization's software.

Projects

- **Opus**: note-taking application developed in ES6 JavaScript, HTML, and CSS with the Electron framework. Focus on user experience, UI design, testing, and modularity.
- **Viv**: cross-platform keyboard mapping software implemented in Node.js, HTML, and CSS with the Electron framework. Focus on integrating Node.js cross-compiled C++ module.
- **F2PRS**: ranking and tracking website built with PHP, MySQL, and JS for online game RuneScape. Focus on speed, UI simplicity, database design, and data accuracy.
- **PyFlicks**: movie recommendation web app utilizing machine learning. Completed as a semester-long group project. Developed front-end pages using CSS and JS and performed database query interaction using PHP and Ajax.

Education

New Mexico Institute of Mining and Technology

B.S. in Computer Science Engineering, expected graduation December 2019

Coursework: Algorithms & Data Structures, Systems Programming, OOP, Human Computer Interaction, Web Programming, Computer Architecture, Operating Systems, Networking.

GPA: 3.41 / 4.0

Skills

- Programming: Java, C, PHP, HTML, CSS, LESS, SQL
- Tools: Git, GitHub, npm, Now
- JavaScript: ES6, Node.js, Electron, React, Next.js
- Design: Adobe Photoshop, Adobe Illustrator, Framer