

## 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.
- **Dusk**: collection of simple application icons designed in Illustrator. Featuring a website written with Next.js, React, and styled-components and a CLI written in Node.js. Focus on intuitive user interface, accessibility, and perfecting Google Lighthouse audits
- **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, Python, bash
- Tools: Git, GitHub, npm, Now
- JavaScript: ES6, Node.js, Electron, Babel, React, Next.js, styled-components
- Design: Adobe Photoshop, Adobe Illustrator, Framer