Jacob Mischka

Skills

- Experienced in JavaScript, HTML, CSS, Python, PHP, Rust, and Unix tools
- Able to create fully functioning products indeddpendently

Achievements and highlighted projects

Present   **Open Source**, *GitHub*, jacobmischka.
Over 200 repositories in a wide variety of languages. Maintain several npm packages, notably react-flatpickr and gatsby-plugin-react-svg with around 30,000 weekly downloads each. Published several additional projects as MCW Anesthesiology (GitHub: mcw-anesthesiology).

2014   **Version-Aware Word Documents**, *University of Wisconsin-Whitewater*.
Designed modification to Microsoft Word files to track version changes and tool to merge revisions. Presented at ACM DocEng 2014 and paper published in post proceedings.

Experience

2015–Present   **Programmer Analyst**, *Medical College of Wisconsin*, Anesthesiology Department.

- Develop tools to process, manipulate, and display data in meaningful ways
  - Rust-powered GraphQL server powering data retrieval and analysis
  - Web interfaces using Svelte, Vue, and React
  - Offline individualized analysis and plotting using Python and Matplotlib
- Develop, update, and maintain internal departmental web applications
  - Trainee and faculty evaluation system (PHP, Vue)
  - Trainee day-off management system (JavaScript/Node, Meteor)
  - Academic calendar merger and frontend (JavaScript/Node, React)
  - Lecture attendance tracking application (PHP, React, GraphQL)
  - Department directory (JavaScript/Svelte frontend, Python and GraphQL backend)
- Manage department websites
  - Public website (Sitecore)
  - Custom intranet site (Wordpress)
  - Custom-made promotional sites for subspecialties (Gatsby, Jekyll)

2011–2014   **Technical Administrator**, *Prairie Woods Golf Course*, Avalon, WI.

- Installed and maintained computer hardware and software on site

Education

2017–Present   **Master of Science**, *University of Wisconsin - Milwaukee*, Milwaukee, WI.
Program: Computer Science
GPA: 4.0

2011–2015   **Bachelor of Business Administration**, *University of Wisconsin - Whitewater*, Whitewater, WI.
Major: Management in Computer Systems
GPA: 3.821

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jacobmischka • *Updated: February 9, 2020*