Olivia Sculley

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Work Experience

Simply Binary, Greenville, SC – *Software Developer*   Aug 2020 – Present

- Lead development on Slipstream using Elixir, Phoenix, and Tailwind CSS, backed by AWS and Gigalixir
- Implemented features like versioning, tenancy, synthesized data exports, notifications, Sentry error reporting, custom integrations, UI component library, and automations with Github Actions
- Mentored team members, added documentation with Mermaid, created UI component storybook, improved accessibility, assisted with onboarding and tech debt prioritization
- Prepared a C++ robotic metrology project for production use

Purdue Envision Center, West Lafayette, IN – *Simulation Programmer*   Jan 2019 – Aug 2020

- Developed interactive 3D/VR simulations for web and desktop using C#/.NET with Unity 3D
- Implemented DocFX documentation and unit tests, facilitated Git LFS versioning for assets

JunLab, West Lafayette, IN – *Research Assistant*   Apr 2019 – May 2020

- Lead development on NERVV, an open-source Unity 3D-based framework to synchronize and control ROS-based real-world manufacturing devices with support for virtual reality devices.
- Worked with Dr. Huitaek Yun at Jun Laboratory on NERVV

CS 390-VR / CS 390-VRT, West Lafayette, IN – *Teaching Assistant*   Aug 2018 – Dec 2019

- Participated in course development of CS 390-VR and CS 390-VRT under Dr. Gustavo Rodriguez-Rivera at Purdue University.
- Developed and delivered lectures, created and graded assignments, led lab sessions

Education

Purdue University, West Lafayette, IN – *GPA: 3.88*   Aug 2017 – Dec 2020

- B.S. in Computer Science with concentration in software engineering and minor in mathematics
- Graduated with distinction, dean's list and semester honors

Involvement and Projects

Traveler's Rest Historic Society, Greenville, SC – *Membership/Marketing*   Jun 2022 – Present

- Maintained TRHS website, lead migration from Squarespace to Wordpress

HackGreenville Labs, Greenville, SC – *Contributor*   Jun 2022 – Present

- Improved the HackGreenville website, created Slack bot project to post weekly rollups of local tech meetups from Open Data events and a map project displaying Open Data map layers
- The group formerly known as Code for Greenville

Skills

- **Languages:** C++, Elixir, HTML5, CSS, JavaScript, TypeScript, SQL, Python, Bash, C#/.NET
- **Frameworks:** Phoenix, Solid JS, Vue, Git, Tailwind CSS, Laravel, Docker Compose, Unity 3D
- **Platforms:** Github, AWS, Slack, Stripe, Sentry, Drone, CodeShip, Prometheus, Grafana, Loki