# Lucas Umberger

✉ lucasumberger@gmail.com    in linkedin.com/lumberger540    ⌂ LucasUmberger.netlify.app

## Education

**Virginia Polytechnic Institute and State University (Virginia Tech)**　　　　　　Expected May 2026
*Bachelor of Science in Computer Science (GPA: 3.83 / 4.00)*　　　　　　　　　　　　*Blacksburg, VA*
- **Relevant Coursework:** Data Structures and Algorithms, Intro to Computer Organization, Intermediate Software Design, Creating User Documentation, Applied Combinatorics

## Experience

**MITRE**　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　May 2024 – Present
*Software Engineer*　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*McLean, VA*
- Developed 2 Android applications utilizing Android Studio, written in Kotlin with Jetpack Compose UI
- Created an in-house network testing tool to send packets between Android devices with configuarable settings over LMR Radio Network
- Manipulated geolocation data retrieved using Sensor API's from devices connected by Nearbye Connections API and Ultra-wideband
- Assisted the design and implementation of the data layer and integrated mobile barometer sensor readings into production app

**US Department of Defense**　　　　　　　　　　　　　　　　　May 2023 – August 2023
*Software Developer*　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Dahlgren, VA*
- Automated deployment of web apps using Ansible and Bash/Python scripting
- Utilized LINUX, GIT, and GITLAB to operate software version control and conduct file management
- Ran, documented, and debugged 30+ test cases for 3 different software across 2 different revisions
- Utilized Java Swing and JaCoCo to conduct code coverage to debug and identify dead code

## Projects

**Local Drafts** | *React.js, HTML, CSS, API*
- Created a website to discover new breweries in the user's area and allows searching and filtering of results based on brewery type or name
- Utilized Open Brewery DB API to fetch breweries using the latitude and longitude of the user and list closest locations
- Integrated geography based mapping using Google Maps JS API to display location of each local brewery and links to webpages, map updates as users search and filter

**TripMate** | *React Native, TailwindCSS, Firebase, Redux*
- Developed a mobile app using JavaScript and React Native to allow user to record travel and keep track of expenses
- Integrated Firebase for back-end, including real-time database management and email/password and Google Sign In user authentication
- Implemented Redux for consistent state management across the application, enhancing performance and data integrity

**Personal Portfolio Site** | *React.js, HTML, CSS, Foundation*
- Developed a personal website to showcase my portfolio, technical skills, and contact information, enhancing my online presence and accessibility for potential collaborations and opportunities
- Utilized Foundation's building blocks to design and implement a responsive contact form, enabling tailored contact requests and facilitating seamless communication with visitors

## Technical Skills

**Languages**: JavaScript, Java, Kotlin, C, Python, HTML, CSS, Jetpack Compose
**Technologies**: React.js, React Native, TailwindCSS, Firebase, Redux, Node.js, PostgreSQL, Bootstrap, Android Studio, Wireshark, Git, Linux, Ansible, Jira
**Concepts**: Data Structures, Algorithms, Operating System, Memory Allocation, API Utilization, Networking, App Development, Agile Methodology, UI Design, Compiler
**Other**: Spanish, Time Management, Organization, Attention to Detail