

# Andrew Boles

## Full Stack Developer

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Full stack developer and experienced mechanical engineer making the switch to software after rediscovering how much I love building. Strong React & Node skills. Forever curious and ready to take on challenging new technologies and projects. Currently learning: React Native, TypeScript

### SKILLS

#### Frontend

JavaScript, React JS, HTML, CSS, Next JS, Remix JS

#### Backend

Node JS, Express, MongoDB, Prisma, Firebase

#### Misc

Git, npm, Yarn, Webpack, Jest, Github, Bitbucket

### PROFESSIONAL EXPERIENCE

- |  |                              |
|--|------------------------------|
| <b>Senior Test Engineer - Hypertruck ERX Mechanical Systems</b> , Hyliion, Inc   | 2020 – present<br>Austin, TX |
| <ul style="list-style-type: none"><li>• Led design validation planning and execution of ERX electric vehicle program</li><li>• Wrote Remix.js Fuel Economy data processing app to provide actionable and saleable insights into fuel efficiency benefits of Hyliion system</li><li>• Utilized SQL, KQL, BitBucket, and Azure to organize and display data trends</li></ul> |                              |
| <b>Test Engineer - Electronic Power Steering Systems</b> , Bosch, GmbH   | 2017 – 2020                  |
| <ul style="list-style-type: none"><li>• Created and executed design validation test plans for 3 electromechanical steering column programs, managing over 100 test samples</li><li>• Utilized Minitab, Excel, and LabVIEW to analyze complex data sets</li></ul>   |                              |
| <b>Attribute Test Engineer - Climate Control Systems</b> , Ford Motor Company  | 2016 – 2017                  |
| <ul style="list-style-type: none"><li>• Owned all climate control performance deliverables for '17-'20 Super Duty</li><li>• Used custom software to interface with prototype and production vehicles to analyze performance data, both in the wind tunnel and on the road</li></ul>  |                              |
| <b>Field Engineer</b> , FTS International  | 2014 – 2016                  |
| <ul style="list-style-type: none"><li>• Executed real-time data monitoring and management of on-site oil services, wrote multiple detailed technical reports daily</li><li>• Managed a non-technical team of up to 10 employees</li></ul>  |                              |
| <b>Process Engineer</b> , GE Aviation  | 2012 – 2014                  |
| <ul style="list-style-type: none"><li>• Streamlined processes to increase jet engine test pass rate by 6%, saving thousands in labor costs and preventing retests that cost ~\$6000</li><li>• Spearheaded project to reduce engine rotor vibration, embracing complex data analysis, long term process studies, and repair technique examination</li></ul>                 |                              |

### EDUCATION

**Bachelor of Science in Aerospace Engineering**, Texas A&M University      2007 – 2012

### PROJECTS

**FlickFlock**, Full stack social video MERN app showcasing Optimistic UI, Auth, Prisma, and SSR

**Fuel Economy App**, Engineering-focused Remix.js data-processing app featuring OAuth2 and Mapbox

**CitySeeker**, Next.js app showcasing Tailwind, open API use, and component library utilization

### INTERESTS

Indie Rock Songwriting & Performance, Mountain Biking, Tennis, Table Tennis, Arduino/Microcontroller Projects, DIY Home Repair