

Nathan Patnam

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Experience

Full-Stack Intern @ Heroku

Summer 2019

- Built web-service to automate time-consuming process of triaging issues across Heroku's 3400+ [GitHub private and open-source repositories](#) into Salesforce's internal ticketing system for development (GUS).
- Tool will save engineering managers' and developers' time by giving clear visibility of ongoing work. Built with Ember.js, GraphQL, Purple3 (CSS library), Heroku, CircleCI, Git, Mirage, and QUnit.

Software Engineering Tutor @ Wyzant

March 2018 - Ongoing

- Tutor 25+ people online for 90 total hours. Profile at <https://www.wyzant.com/Tutors/TutoringByNathan8>
- Cover topics such as algorithms, data structures, APIs, OOP, recursion in Python, Java, & JavaScript.

Full-Stack Mobile Intern @ Honda R&D Americas

Fall 2018

- Designed mockups, built Android & iOS apps, and conducted UX studies to prototype new experiences.
- Built apps using React Native, AWS Lambda, Git, Jenkins, Firebase's Authentication & Realtime DB.

Data Science Intern @ Microsoft

Summer 2018

- Problem was "how do we educate new Windows users about the Windows Settings App and how to use it?"
- Queried 100's of petabytes of telemetry data daily with internal language, SCOPE, and used Power BI to visualize trends in user interaction with the Windows settings app on Microsoft's Big Data Lake, COSMOS.
- Built AzureML model to mine association-rules and infer what setting a user may change off prior behavior.
- Created C# app with the ML model to recommend users settings to change based off of prior user activity.

Web Developer Intern @ UnitedHealth Group

Summer 2017

- Automated the intern hiring process for software engineering managers by creating a web service that saves about 350 hours of manager time (est. \$13,000 annually) for the Schaumburg, Ill. office alone.
- Led team of 6 interns to build 5 websites using JS, jQuery, HTML, CSS, Bootstrap, SharePoint, and REST.

.NET Developer @ Wofford College

Jan - Oct 2017

- Developed 5 web forms in .NET using HTML, CSS, JavaScript, jQuery, Bootstrap, Git, VB, and MySQL using Microsoft SQL server. Used Ektron, a CMS, to make updates on Wofford's websites.

Projects

Java Argument Parser

Fall 2018

- Built Java package that parses arguments from the command line. Created during Wofford's CS Capstone Class with three other people. Java, Jenkins, Gradle, JUnit, Robot Framework, and Coveralls.

NeedleXchange

Sept 2017

- Web service to organize and publicize needle exchanges with a focus on anonymity. Used JS, SQLite, Google Maps, Python, and Flask. Won Deloitte's prize at HopHacks Fall '17 for best user experience.

Education

Wofford College - Bachelors of Arts in Computer Science

Spartanburg, SC

Cumulative GPA: 3.70/ 4.0

Computer Science GPA: 3.90/ 4.0

Graduation: Dec 2019

Skills

Front-End

Ember.js · React · HTML · CSS · JavaScript · jQuery · Bootstrap · Webpack

Back-End

AWS (Lambda & Dynamo) · Firebase · Python · Java · SQL · GraphQL

CI/CD & Testing

Git · Circle CI · Heroku · Jest · QUnit · Mirage