Nicholas Pisacane

Software Engineer - Backend and Frontend Specialist

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Summary _____

Innovative frontend and backend engineer who contributes to the open-source community. Completing a B.S. in Computer Science.

Education _____

California State University San Marcos *San Marcos, CA*

B.S. Computer Science Aug. 2017 - May. 2019 (Expected)
- Currently finishing my B.S. in Computer Science

Grossmont / MiraCosta College *San Diego, CA*

Lower-Division Computer Science Aug. 2014 - May. 2017
- Made Vice-Presidents and Presidents list at both schools

Work Experience _____

Facebook *Menlo Park, CA*

Front End Engineer, Intern May. 2018 - Aug. 2018
- Working across the stack, with an emphasis on Front End, utilizing React, Relay, GraphQL and Hack on the Recruiting Engagement team.

Synthetic Ideas, LLC *Carlsbad, CA*

Co-Founder & Software Engineer Jan. 2017 - Sep. 2017
- Developed and deployed infrastructure, automated with Terraform, on AWS (DynamoDB, API Gateway, Lambda, CloudFront, and S3) to create a cost-efficient, scalable REST API for the flagship product

Foamtec International WCC *Oceanside, CA*

Software Engineer Apr. 2014 - Sep. 2017
- Created a memory-cached HTTP proxy with a custom invalidation system to address unreliable third-party APIs which decreased average response time of user-facing endpoints by 10X

Extracurricular Activity _____

MIPS (MIPS Assembly Language Assembler/Simulator)   Nov. 2017-PRESENT
- Wrote a MIPS Assembler / Simulator in JavaScript (via TypeScript) for Browser and Node.js Environments ([Github Repository](#))
- Developed [mips.run](#), a React.js / Redux / Material Design front-end for the lower-level MIPS simulator (code in the [Github Repository](#))

Plot Ninja (3d Graphing Software)   Oct. 2016-PRESENT
- Created [plot.ninja](#) and worked with my Multivariable Calculus Professor for advice on certain components

Open-Source Software   Jan. 2013-PRESENT
- Built [CSVBuilder](#), a Node.js library for encoding complex JSON objects in CSV
- Designed [maybe-you-meant](#), a JavaScript library that uses the Levenshtein algorithm to warn developers of possible misspellings in their React Component property declarations
- Created [FramedConn](#), a Golang library for creating high-level TCP protocols with a [Netstring](#) implementation included

Skills _____

- **Languages:** Javascript (Flow/TypeScript), C++, Python, Go, SQL, Java
- **Technologies:** React, Relay, Redux, GraphQL, AWS, Node.js, MySQL, JWT, Serverless, HTML5, CSS3