

# THIAGO CARVALHO

## SOFTWARE ENGINEER

### EXPERIENCE

**FactSet Research Systems Inc.**  
*Implementation Specialist*

NOV 2018 - JULY 2019

- Implemented product installations for new clients that can vary from short projects (four to six weeks) at small hedge funds to large-scale deployments at multi-billion dollar asset managers.
- Advised on and create proprietary investment processes that are tailored to individual clients using Code Red's highly configurable software and workflow tools.
- Imported data from and coordinate with prominent third party vendors including custodial banks, accounting systems, trade order management systems, and market data providers.
- Wrote custom SQL scripts and procedures to aggregate research and import data into company tear sheets, productivity reports, and investment dashboards tailored to individual clients investment styles.
- Managed and support partnerships with existing clients by solving problems, performing upgrades, training users, and providing exemplary customer service.

**TIAA (Teachers Insurance and Annuity Association)**  
*IT Summer Associate*

JUN 2018 - AUG 2018

- Revamped a web application developed with Angular utilizing Node.js and the Angular CLI that onboarded new and existing clients to TIAA's retirement program.
- Cooperated with the UX team on remodeling the overall look and function of the application in order for it to become increasingly user-friendly by using Bootstrap.
- Expedited the development of feature prototypes by writing unit tests in Angular and by using JIRA as a tool to track bugs and the progress of tasks.
- Collaborated with other teams on the project by using GitLab and Git to push and pull code.
- Supported the backend team in writing JUnit tests to verify that MongoDB was properly populating the application.
- Adhered to the Agile/Scrum methodology and consulted team members daily on progress and to boost team morale.

**Holy Name Medical Center**  
*Software Engineering Intern*

JAN 2018 - APR 2018

- Restructured and strengthened a web-based hospital information system using PHP, JavaScript, and HTML/CSS.
- Established an application that used PHP to retrieve patient information from a database and created a printable webform using HTML/CSS and jQuery to allow the doctors to print if necessary.
- Enhanced the application and server by extensively using JIRA to delegate tasks and report bugs.
- Utilized Git and GitHub in order to allow the development process to be iterative.
- Attended various procedural and object-oriented PHP-related programming workshops throughout the course of the internship to learn how to properly deal with the server.

### PROJECTS

**Senior Computer Science Capstone Project**  
Developed a Virtual Reality environment to aid in STEM education in local high schools.  
*Tools: Unity, C#, Visual Studio*

*My public projects can be found on  
[github.com/thiago-carv](https://github.com/thiago-carv) and  
my portfolio is [thiago-carv.github.io](https://thiago-carv.github.io)*

### ABOUT ME

A spirited software engineer with a passion for problem-solving and collaborating with others. I am seeking an opportunity to widen my skillset and to nourish my curious nature. I have considerable experience in developing robust code on engineering teams with strict deadlines. I handle everything with diligence and deftness and I am receptive and inquisitive.

### CONTACT

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### EDUCATION

**New Jersey Institute of Technology**  
**SEP 2016 - AUG 2018**

*Bachelor of Science in Computer Science*

### SKILLS & COURSEWORK

- HTML/CSS, JavaScript, PHP
- Java, Swift
- App Development
- Angular & AngularJS,
- Python, SQL, MySQL,
- MS Office, Adobe Photoshop & Illustrator
- Intensive Programming in Linux,
- Advanced Data Structures and Algorithm Design,
- Guided Design in Software Engineering,
- Database System Design and Management

*References available upon request*