THETA TAU CMT INTERNSHIP
May 7, 2020

Introduction
With the current pandemic situation and with many internships opportunities being cancelled for the summer, Theta Tau will offer an internship to a Student Member of the fraternity for the summer of 2020. This internship will be a 10 week paid internship sponsored by the Central Office of Theta Tau.

Internship Description
Theta Tau seeks an intern with experience in software design, coding, and debugging capabilities. The intern will gain exciting real-world software engineering experience working on the Chapter Management Tool which is a web application used by all Theta Tau chapters nationwide and directly affects chapter members.

We are looking for a software engineer with a focus in data visualization. Your primary focus will be the development of data visualization dashboards of benefit to chapters, the Central Office, and National Officers. This will require communicating with backend systems and generating the frontend view of data.

Responsibilities
- Writing reusable, testable, and efficient code
- Writing documentation to enable future contributors to the system
- Design and implementation data visualizations for users
- Integration of user-facing elements developed for front-end with server side logic

Skills And Qualifications
- Targeting students currently working towards undergraduate degrees in Software Engineering, Computer Engineering, Computer Science, or similar related discipline
- Must be planning to resume course of study in fall 2020
- Completed at least 2 years of college/university
- Experience in Python, with some knowledge of the Python web framework Django
- Experience with front-end React or comparable with Plotly/Dash Python libraries
- Basic unit test and debugging skills
- Understanding of Git versioning tool and workflows
- Familiarity with data visualization
- Ability to work independently and strong attention to detail

Benefits
- Practical experience with a direct application
- Contribution to public github repository
- Flexible schedule and completely remote opportunity

Compensation
- Hourly rate of $18, capped at 35 hours per week for 10 weeks
- The Central Office will work with your academic department so that the successful candidate can receive academic credit, if applicable

How to Apply
- Send resume to cmt+intern@thetatau.org
- Please include in email screen shots or links to example work
- Please include 3 ideas (1 sentence description each) for data visualizations chapters, the Central Office, or National Officers would benefit from in the CMT
- Application review will begin on May 22, 2020. Applications received by that date will be given priority.

Goals During 15-30-45 Days of Internship

<table>
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<tr>
<th>15 DAY GOALS</th>
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<table>
<thead>
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<th>30 DAY GOALS</th>
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- Compare React to Plotly/Dash

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Priority</th>
<th>Completed</th>
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<tbody>
<tr>
<td>1</td>
<td>Create a Data Visualization in chosen system</td>
<td>HIGH</td>
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<td>2</td>
<td>Integrate data from the CMT into Data Visualization</td>
<td>MEDIUM</td>
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<td>3</td>
<td>Build at least 3 graphs of importance to chapter</td>
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### 45 DAY GOALS

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<tbody>
<tr>
<td>0</td>
<td>Integrate Data Visualization into CMT</td>
<td>HIGH</td>
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<tr>
<td>1</td>
<td>Outline other plots of importance to:</td>
<td>MEDIUM</td>
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<td>• Central, RDs, Chapter, Member</td>
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<tr>
<td>2</td>
<td>Implement other plots</td>
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