

# INTERNSHIP RECAP:



by **Kevin Cunanan**

Mentors: **Jeremy Arca** and **Rashmi Arjunan**

# **DEVELOPING NEW FEATURES ON THE INTEGRATED MODELING ENVIRONMENT AND REFACTORING A DJANGO CONTENT MANAGEMENT SYSTEM**

# ABOUT ME!

CS + Philosophy Double Major



# **MAY 2018!**

CS + Philosophy Double Major



CLAREMONT  
McKENNA  

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C O L L E G E

# FIRST TASTE OF CODING



# PHP + MYSQL!

HTML, CSS, JavaScript, JQuery



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# Welcome to **Find Enchiladas**

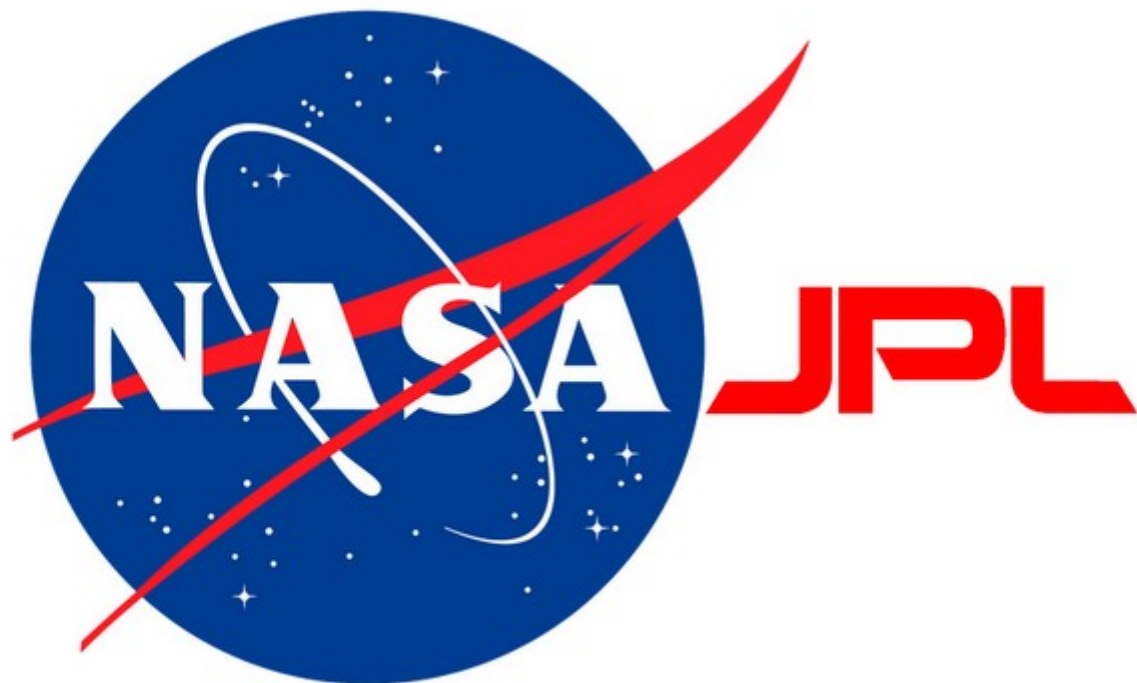
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# CODE *for* AMERICA





# **IME - INTEGRATED MODELING ENVIRONMENT**

**AN ASYNCHRONOUS, COLLABORATIVE WEB  
APPLICATION**

**OPSLAB / TEAM X**

Mentor: Jeremy Arca

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# OBJECTIVE: IMPROVE THE UI



# **APPROACH: AGILE DEVELOPMENT**

## **TWO WEEK SPRINTS**



# OUTCOME:

**50% JAVASCRIPT, 20% HTML/CSS, 30% LEARNING**

- Learn Polymer, NodeJS, ES6
- Developed a smart pop over element
- Develop New Reusable Components
- Help Box Documentation Feature
- Assist building a Grouping Mechanism
- Develop Debug Console for Model Execution

# **PART TWO: REFACTORING A DJANGO CONTENT MANAGEMENT SYSTEM APPLICATION**

OCIO / django **CMS**

Mentor: Rashmi Arjunan

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Mentor: Rashmi Arjunan

# OBJECTIVE:

**KEEP APP UP TO DATE ON JPL BRANDING AND  
BE ABLE TO SUPPORT OVER 25 DIFFERENT  
INTERNAL JPL SITES**



# **APPROACH:**

**TWO WEEK SPRINTS IN AGILE WITH A 4 PERSON  
TEAM**

# OUTCOME:

- Upgraded Entire Codebase to Python3
- Added Blogging Capabilities
- Included JPL Branding
- Implemented Smart Navbar Functionality

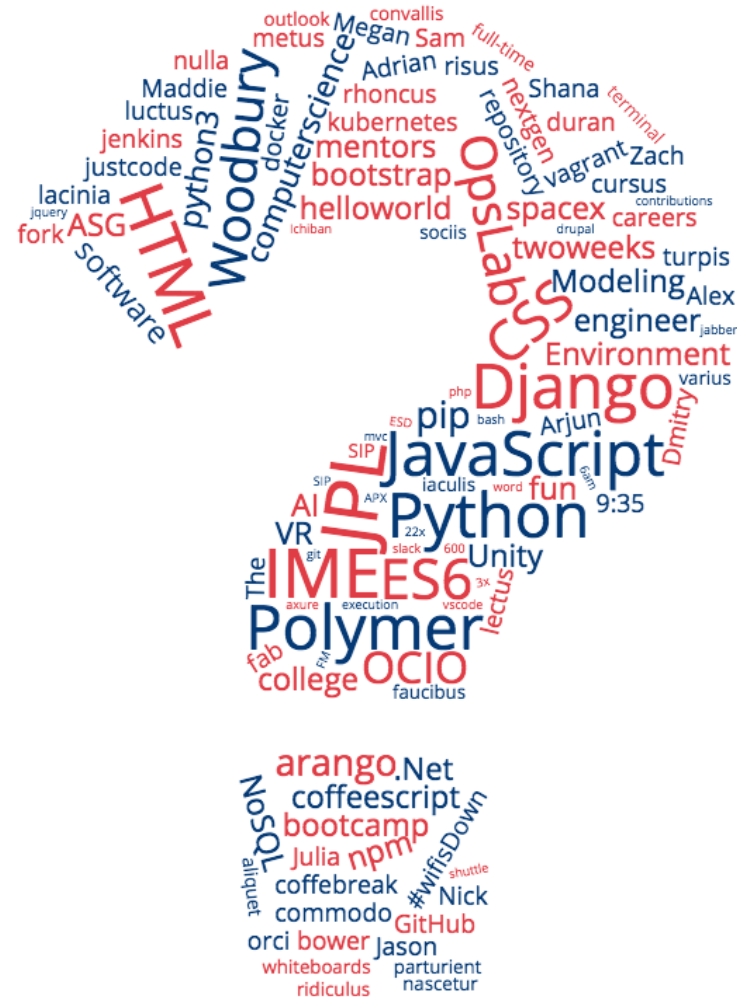
# **BIG PICTURE AND FUTURE:**

## **WILL BE USED BY FOLLOWING:**

- ESD
- DARTS Lab
- CISO
- JPL IT
- OCIO Suite of Sites
- IND



# IMPACT!



**FIN**