

# Sunbrye Ly

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## Objective

To apply my internship experience in the field of front end development and ultimately contribute to the success of the company while immersing myself within its culture.

## Education

University of California, San Diego <b>Bachelor of Science, Computer Science</b> – March 2017 GPA: 3.00 Awards: Provost Honors – Fall 2014	University of California, San Diego <b>Minor, Business</b> – March 2017 Minor GPA: 3.47
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## Programming Projects

### *Android Mobile Application – “Rate-My-Peers”*

- Worked in a software development team to design and implement a fully functional mobile app based off the MVC architecture
- Tied in the **Facebook API** to populate the initial database as well as log in usage
- Designed the front-end using **Java** for the activities and **XML** for the layouts
- Acted as Project Manager for an iteration and oversaw team communication as well as ensuring timely delivery of the software product without sacrificing quality with the help of commercial tools such as Trello

### *Mobile Web Application – “TimeSpace”*

- Prototyped a working model to tackle the issue of augmenting social networks within UCSD
- Connected UCSD’s current Active Directory system into the application Login module
- Worked on the visual design of the website and built the front-end framework with **Foundation** and **JavaScript**
- Contributed to the development of a student database using a **LAMP** stack

## Work Experience

BAE Systems (Intelligence and Security Sector) <b>Software Engineering Intern</b>	Rancho Bernardo, California June 2015 – September 2015
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- Designed numerous test procedures to verify the integrity of user stories with **RESTAPIs**
- Developed the front-end of a data migration panel used to process thousands of rows of data with **AngularJS** and **Bootstrap**
- Researched and drafted a 30 page WFS(Web Feature Service) Implementation Profile
- Worked under a **Scaled Agile Framework** meant to anticipate flexibility on an enterprise level
- Used an environment consisting of **Tomcat**, **Maven** and **Jetty**

Academic Computing and Media Services <b>ResNet Computing Consultant</b>	La Jolla, California July 2014 – Present
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- Identify and troubleshoot possible network outages and connectivity issue within the campus
- Provide technical support relating to TCP/IP and campus residential housing networks as well as the campus wide wireless data network
- Diagnose computer hardware related issues such as blue screens, defective HDDs, faulty RAM etc...
- Detect and remove malicious processes such as rootkits, botnets, spyware and Trojans

## Related Coursework

### *Software Engineering (Java, JSP, HTML/CSS, MySQL)*

- Experienced full software development life cycle including estimation, requirements gathering, design patterns, test driven development, and test automation

### *Advanced Data Structures (C++)*

- Implemented high-performance data structures and their supporting algorithms such as BSTs, graphs, priority queues and hash tables
- Conducted theoretical and practical performance analysis, both average case and amortized

### *Introduction to Human-Computer Interaction Design (HTML/CSS, PHP, JavaScript, JSON, MySQL)*

- Learned about user-centered design, rapid prototyping, cognitive principles, visual design, and social software
- Working in a team of three to implement an application design that augments pre-existing networks