

# Joseph Bae

josephbae@utexas.edu · Josephbae.me  
1905 Nueces Street #406 · Austin, TX 78705 · (361) 523-3056

## OBJECTIVE

---

Seeking an full time entry level software engineering/development position

## EDUCATION

---

**The University of Texas at Austin**                      **Bachelor of Science, Computer Engineering**                      **December 2018**  
Primary Core: Software Engineering and Design

Related Courses: Algorithms, Software Design and Implementation I & II, Software Engineering and Design Lab, Software Testing, Senior Design Project, Information Security and Privacy, Requirements Engineering

## EXPERIENCE

---

**Zilliant Inc.** - *Software Development Intern*, Austin, Texas                      May 2018 - Aug 2018

- Implemented a productized nonclustered index to improve performance and eliminate occasional issues using Zilliant packaging
- Created two new SQL tables to store configuration for an entity shipment including a JPA model for future use/updates

**UT Information Technology Services** - *Point Person*, Austin, Texas                      May 2017 - May 2018

- Assist in daily activities while troubleshooting with various customers

**Identity Threat Assessment Project** - *Undergraduate Student Researcher*, Austin, Texas                      May 2017 - Aug 2017

- Modelled different reports of identity theft into scenarios to categorize and graph data

**ServiceNow UT ITS** – *Senior Student Associate*, Austin, Texas                      Oct 2015 - May 2017

- Managed existing web content by migrating content into UT's custom ServiceNow implementation
- Communicated regularly with various customers in order to troubleshoot and fulfill their individual requests

## PROJECTS

---

Flickster                      Spring 2019

- Created an Android application that allows users to view recent theatrical releases from the Moviebase API as well as a youtube trailer for the movie

Wafer Map Signature Tool                      Fall 2017 - Spring 2018

- Collaborated with a team to create comprehensive documentation detailing a plan for a prototype wafer map signature classification tool for Texas Instruments

Sexual Assault Prevention Android Application                      Fall 2017

- Created an alert app disguised as a studying app to be used during uncomfortable situations with a group

Group Chat Client                      Spring 2017

- Created and debugged a Java-based group chat client with sound effects and network programming with a partner

Optimal Vacation                      Spring 2017

- Implemented a 0-1 Knapsack algorithm to dynamically solve the most cost efficient way to spend a vacation between two islands

## SKILLS

---

- Languages: Java (experienced), C (familiar), C++ (familiar), HTML (familiar), ARM Assembly (familiar), SQL (familiar), Python (familiar), Apex (familiar)
- Familiar with MATLAB, LabView, Visual Studio, LaTeX, Eclipse, Android Studio
- Certified in Adobe Photoshop CS5 and in Microsoft Office Word 2007
- Experienced with lab equipment such as oscilloscopes, waveform generators, and soldering irons

## LEADERSHIP EXPERIENCE AND ACTIVITIES

---

**Theta Tau Professional Engineering Fraternity** - *PD Chair, Webmaster, Pledge Marshal*                      Fall 2017 - Fall 2018

- Updated the organization's website regularly for events on recruitment and for newly initiated members
- Hosted weekly meetings to educate new members about the fraternity traditions

## ADDITIONAL INFORMATION

---

**Interests:** Piano, soccer, working out, and video games

**Work Eligibility:** Eligible to work in the U.S. with no restrictions