UNIVERSITY OF SOUTHERN CALIFORNIA
OFFICIAL ACADEMIC TRANSCRIPT

OFFICE OF THE REGISTRAR
LOS ANGELES, CA 90089-0912
(213) 740-7445

STUDENT NAME	STUDENT NUMBER	DATE	PAGE
Purohit, Shatad Kolin	9254-4474-08	01-24-2025	1 of 5

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Frank Chang

Frank Chang
Registrar

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-------------------------------- Current Program of Study --------------------------------
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--------------------------------- USC Degrees Awarded -------------------------------------
05/15/2020 Master of Science              Systems Architecting and Engineering
08/06/2024 Doctor of Philosophy           Astronautical Engineering
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------------------------------ USC Cumulative Totals ---------------------------------------
Graduate      Units Attempted: 103.0 Earned: 103.0 Available: 103.0 GPA Units: 28.0 Grade Points: 112.00 GPA: 4.00
--------------------------------------------------------------------------------------------

Fall Semester 2018    (08-20-2018 to 12-12-2018)

SAE-560         A    3.0  Economic Considerations for Systems
                          Engineering
SAE-549         A    3.0  Systems Architecting
SAE-541         A    3.0  Systems Engineering Theory and Practice
```

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
9.0	9.0	9.0	36.00	4.00

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Spring Semester 2019   (01-07-2019 to 05-10-2019)

SAE-550	A	3.0	Systems Architecting and the Political Process
SAE-548	A	3.0	Systems/System-of-Systems Integration and Communication
SAE-542	A	3.0	Advanced Topics in Systems Engineering

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
9.0	9.0	9.0	36.00	4.00

Fall Semester 2019   (08-26-2019 to 12-18-2019)

ASTE-790	CR	3.0	Research
SAE-547	A	3.0	Model-Based Systems Architecting and Engineering
SAE-546	A	3.0	Engineered Resilient Systems and System-of-Systems

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
9.0	9.0	6.0	24.00	4.00

Spring Semester 2020   (01-13-2020 to 05-15-2020)

Grades of Pass/No Pass permitted in Spring 2020 in response to COVID-19 global pandemic.

CSCI-599	A	4.0	Special Topics (Innovation for Defense Applications)
ASTE-790	CR	3.0	Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
7.0	7.0	4.0	16.00	4.00

Summer Semester 2020   (05-20-2020 to 08-11-2020)

Grades of Pass/No Pass permitted in Summer 2020 in response to COVID-19 global pandemic.

ASTE-790	CR	6.0	Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

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Fall Semester 2020   (08-17-2020 to 12-16-2020)

Grades of Pass/No Pass permitted in Fall 2020 in response to COVID-19 global pandemic.

ASTE-790   CR   6.0   Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

Spring Semester 2021   (01-11-2021 to 05-14-2021)

Grades of Pass/No Pass permitted in Spring 2021 in response to COVID-19 global pandemic.

ASTE-790   CR   6.0   Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

Summer Semester 2021   (05-19-2021 to 08-10-2021)

Grades of Pass/No Pass permitted in Summer 2021 in response to COVID-19 global pandemic.

ASTE-790   CR   6.0   Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

Fall Semester 2021   (08-23-2021 to 12-15-2021)

Grades of Pass/No Pass permitted in Fall 2021 in response to COVID-19 global pandemic.

ASTE-790   CR   6.0   Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

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Spring Semester 2022 (01-10-2022 to 05-13-2022)

Grades of Pass/No Pass permitted in Spring 2022 in response to COVID-19 global pandemic.

ASTE-790   CR   6.0   Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

Summer Semester 2022 (05-18-2022 to 08-09-2022)

ASTE-790   CR   6.0   Research

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
6.0	6.0	0	0	0.00

Fall Semester 2022   (08-22-2022 to 12-14-2022)

ASTE-790   CR   6.0   Research
ASTE-794A   CR   2.0   Doctoral Dissertation   Completion of a sequence course

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
8.0	8.0	0	0	0.00

Spring Semester 2023 (01-09-2023 to 05-12-2023)

ASTE-790   CR   6.0   Research
ASTE-794B   CR   2.0   Doctoral Dissertation   Completion of a sequence course

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
8.0	8.0	0	0	0.00

Summer Semester 2023 (05-17-2023 to 08-08-2023)

ENGR-596   CR   1.0   Internship in Engineering

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
1.0	1.0	0	0	0.00

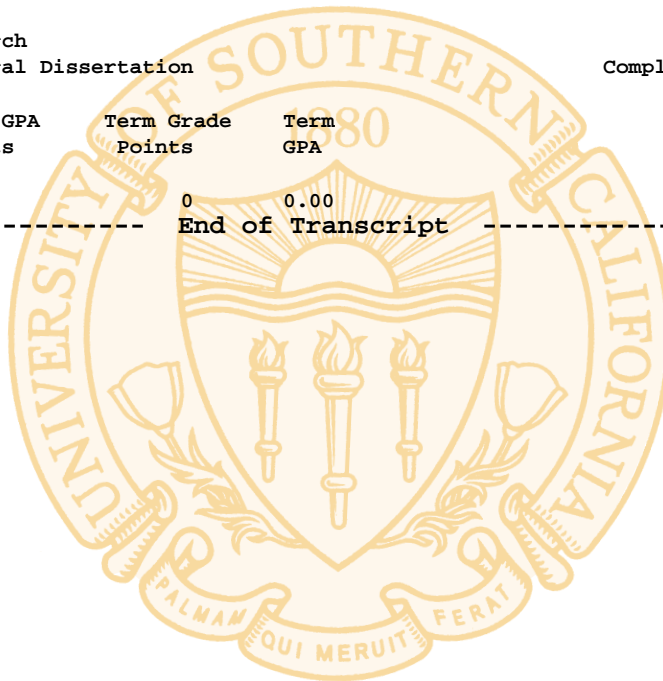| STUDENT NAME	STUDENT NUMBER	DATE	PAGE
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Fall Semester 2023   (08-21-2023 to 12-13-2023)

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ENGR-596        CR     1.0   Internship in Engineering
ASTE-794C       CR     2.0   Doctoral Dissertation              Completion of a sequence course
```

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
3.0	3.0	0	0	0.00

Spring Semester 2024   (01-08-2024 to 05-10-2024)

```
ENGR-596        CR     1.0   Internship in Engineering
ASTE-794D       CR     2.0   Doctoral Dissertation              Completion of a sequence course
```

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
3.0	3.0	0	0	0.00

Summer Semester 2024   (05-15-2024 to 08-06-2024)

```
ASTE-790        CR     4.0   Research
ASTE-794Z       CR     0.0   Doctoral Dissertation              Completion of a sequence course
```

Term Units Attempted	Term Units Earned	Term GPA Units	Term Grade Points	Term GPA
4.0	4.0	0	0	0.00

--------------------------------- **End of Transcript** ---------------------------------

ACADEMIC TRANSCRIPT INFORMATION

NOTE: *The information that follows represents current University policies. Questions regarding historical University policies and/or transcript notations should be addressed to the Office of the Registrar. This document contains a number of security features. Further information or authentication can be obtained by calling the Office of the Registrar (213) 740-9230.*

COURSE CREDIT/UNIT VALUE
A semester unit is a credit of one hour per week for one semester (15 weeks in length).

COURSE NUMBERING AND CLASSIFICATION
The first digit of the course indicates the year level of the course. 000-preparatory courses; 100-first undergraduate year; 200-second undergraduate year; 300-third and fourth undergraduate years without graduate credit; 400-third and fourth undergraduate years with graduate credit for graduate students; 500-first graduate year; 600-second graduate year; and 700-third graduate year.

GRADING SYSTEM
The following grades are used: A, excellent; B, good; C, fair in undergraduate courses and minimum passing in courses for graduate credit. D, minimum passing in undergraduate courses; and F, failed. Additional grades include CR, credit; NC, no credit; P, pass; and NP, no pass. The following marks are also used: W, withdrawn; IP, in progress; UW, unofficial withdrawal; MG, missing grade; IN, incomplete; and IX, lapsed incomplete.

GRADE POINT AVERAGE (GPA) CATEGORIES/CLASS LEVEL
A system of grade points is used to determine a student's grade point average. Grade points are assigned to grades as follows for each unit in the credit value of a course. A, 4.0 points; A-, 3.7 points; B+, 3.3 points; B, 3.0 points; B-, 2.7 points; C+, 2.3 points; C, 2.0 points; C-, 1.7 points; D+, 1.3 points; D, 1.0 points; D-. 0.7 points; F, 0 points; UW, 0 points; and IX, 0 points. Marks of CR, NC, P, NP, W, IP, MG and IN do not affect a student's grade point average. There are four categories of class level and GPA: Undergraduate, Graduate, Law, and Other. UNDERGRADUATE is comprised of Freshman (less than 32 units earned), Sophomore (32 to 63.9 units earned), Junior (64 to 95.9 units earned) and Senior (at least 96 units earned). GRADUATE is comprised of any coursework attempted while pursuing a master's and/or doctoral degree. LAW is comprised of any coursework attempted while pursuing a Juris Doctor or Master of Laws degree. Other is comprised of any coursework attempted while not admitted to a degree program or coursework not available for degree credit.

CLASS RANK
The University of Southern California does not calculate or support a class rank for its undergraduate students. While most graduate programs do not rank students, requests for graduate student class rankings should be directed to the dean of the particular school in which the graduate degree was earned.

STUDENT GOOD STANDING
A student is considered to be in good standing if they are eligible to register for classes. Disciplinary good standing is determined by the Office of Community Expectations.

TRANSFER CREDIT
Coursework accepted from other institutions is summarized into undergraduate and graduate areas. The summary information includes the number of units and GPA. The transfer institution(s) and dates of attendance do not appear on the USC transcript.

GOULD SCHOOL OF LAW GRADING SYSTEMS
Beginning in Fall 2022, courses are graded numerically from 4.0 to 1.9, with letter-grade equivalents ranging from A to F. The grade equivalents are 4.0 to 3.8 (A); 3.7 to 3.5 (A-); 3.4 to 3.3 (B+); 3.2 to 3.0 (B); 2.9 to 2.7 (B-); 2.6 to 2.5 (C+); 2.4 (C); 2.3 to 2.1 (C-); 2.0 (D); and 1.9 (F).

From Fall 2012 through Spring 2022, courses were graded numerically from 4.4 to 1.9, with letter grade equivalents ranging from A+ to F. The grade equivalents are 4.4 to 4.1 (A+); 4.0 to 3.8 (A); 3.7 to 3.5 (A-); 3.4 to 3.3 (B+); 3.2 to 3.0 (B); 2.9 to 2.7 (B-); 2.6 to 2.5 (C+); 2.4 (C); 2.3 to 2.1 (C-); 2.0 (D); and 1.9 (F).

From Fall 2001 through Spring 2012, courses were graded numerically from 4.4 to 1.9, with letter grade equivalents ranging from A+ to F. The grade equivalents are 4.4 to 4.1 (A+); 4.0 to 3.8 (A); 3.7 to 3.5 (A-); 3.4 to 3.3 (B+); 3.2 to 3.0 (B); 2.9 to 2.7 (B-); 2.6 to 2.5 (C+); 2.4 (C); 2.3 to 2.0 (D); and 1.9 (F).

Prior to Fall 2001, the grading system consisted in numbers in a range from 90 to 65. A grade of 90 was equivalent to highest honors and was very rare; 89 to 85 high honors; 84 to 80, honors; 79 to 70, satisfactory; 69 to 66, unsatisfactory; and 65, failing.

OSTROW SCHOOL OF DENTISTRY GRADING SYSTEM
Students admitted to the Doctor of Dental Surgery program in Fall 1990 or later and students admitted to the International Student Program in Summer 1991 or later, are bound by the University's grading system (excluding plus/minus grades), which is detailed *above* under the heading "GRADING SYSTEM." Academic records for dentistry students who attended prior to the dates listed above are housed independent of the University's central record system. Contact the Ostrow School of Dentistry directly for this earlier academic record information.

KECK SCHOOL OF MEDICINE TRANSCRIPTS
Transcripts for medical students are housed independent of the University's central records system. Contact the School of Medicine directly for this academic record information.

LANGUAGE OF INSTRUCTION
English is the language of instruction at USC. All courses are taught in English with the exception of a few advanced language courses.

ACCREDITATION
The University of Southern California is fully accredited by the Western Association of Schools and Colleges. For additional professional accreditation information, please refer to the latest issue of Accredited Institutions of Postsecondary Education published by the American Council on Postsecondary Accreditation (COPA).

University of Southern California
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