

CV AND UCSC TRANSCRIPT (COMBINED)

Shourya Bose

SHOURYA BOSE

Curriculum Vitae | January 2021

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EDUCATION

PhD in Electrical Engineering

Baskin School of Engineering, University of California, Santa Cruz

📅 September 2020 – Present 📍 Santa Cruz, CA, USA

- Area of specialization is control of power systems and smart grids.
- My advisor is Dr. Yu Zhang.

M.Sc. (Hons.) in Mathematics

BITS Pilani, KK Birla Goa Campus

📅 August 2014 – December 2019 📍 Goa, India

B.E. (Hons.) in Electrical & Electronics Engineering

BITS Pilani, KK Birla Goa Campus

📅 August 2014 – December 2019 📍 Goa, India

EXPERIENCE

Research Associate

Indian Institute of Science, Bengaluru

📅 January 2020 – September 2020 📍 Bengaluru, India

- Continued work on NCS taken up during Research Internship.

Research Intern

Indian Institute of Science, Bengaluru

📅 January 2019 – December 2019 📍 Bengaluru, India

- Interned as a part of the Network & Control Systems Group in the Department of Electrical Engineering. Research focused on the topic of Networked Control Systems (NCS).
- Got published as first author in a conference and a journal paper.

Research Intern

Pixxel Space

📅 January 2019 – December 2019 📍 Bengaluru, India

- Worked on spacecraft orbit simulation.
- Received experience of working on specialized Aerospace software such as AGI STK, NASA GMAT, etc.

Intern

HMT Tractors

📅 May 2016 – July 2016 📍 Pinjore, Punjab

- Understood the supply chain of tractor manufacturing from raw material procurement to finished product.
- Presented an energy audit of the paint shop and gear assembly shop as a part of internship project.

SKILLSET

- I enjoy using mathematical analysis and sound first principles to solve challenging engineering problems.
- I also enjoy validating theoretical results by simulating them on software as well as physical testbeds.
- I am well versed with soft skills required to effectively make a point, and communicate efficiently with my colleagues to expedite jobs requiring teamwork.

COMPUTER SKILLS

- **Programming Languages:** C, C++, MATLAB, Python, \LaTeX , x86 Assembly, PSPICE, basic Verilog HDL.
- **Software:** Cadence Virtuoso, LABView, AutoCAD (2D and Isometric), AGI Graphics STK (Aerospace simulation software), Adobe Photoshop and Illustrator.
- **Operating Systems:** MS Windows, macOS, Linux (Ubuntu).

AWARDS

- Received **Chancellor's Fellowship** for the first year of my PhD studies at University of California Santa Cruz.

MISCELLANEOUS

- **Hult Prize** is an entrepreneurship competition. It is organized annually by the Hult Institute. The aim of Hult Prize is to encourage entrepreneurial solutions which can help in eliminating massive social issues like poverty. I was part of a four-member team that **won Hult Prize 2015 Goa regional round** held at BITS Goa, following which we **presented our idea** at the **Hult Prize Global Eliminations** held at **Hotel Al-Jumeirah, Dubai**.
- I enjoy college level **Parliamentary Debating**. I have, as a part of different teams from our college, attended more than **eight** intervarsity parliamentary debating tournaments.

PUBLICATIONS

- Bose. S, and Tallapragada. P. *Event-Triggered Stabilization under Action-Dependent Markov Packet Drops*. Accepted for publication in **IET Control Theory and Applications**.
- Bose. S, and Tallapragada. P. *Event-Triggered Second Moment Stabilization under Markov Packet Drops*. In **Fifth Indian Control Conference (2019)**.
- Prakash. B, Setia. A, and Bose. S. *Numerical solution for a system of fractional differential equations with applications in fluid dynamics and chemical engineering*. In **International Journal of Chemical Reactor Engineering**, 15(5) (2017).

*** UNOFFICIAL ***

Name: Bose, Shourya
Student ID: 1851189

Institution Info: University of California, Santa Cruz
1156 High Street
Santa Cruz, CA 95064

Beginning of Graduate Record

2020 Fall Quarter

Program: Electrical & Computer Engineer
Plan: PhD in Electrical and Computer Engineering

Course	Description	Attempted	Earned	Grade	Points
AM 229	Convex Optimization	5.00	5.00	A+	20.000
ECE 240	LinearDynamicalSystem	5.00	5.00	A	20.000
ECE 253	Intro InformtnTheory	5.00	5.00	A	20.000
ECE 280Z	Smart Grids & Data	2.00	2.00	A+	8.000
GRAD 200	Academic Writing	0.00	0.00	S	0.000
GRAD 201	Oral Communication	0.00	0.00	S	0.000
GRAD 202	Reading & Research	0.00	0.00	S	0.000

Academic Standing Effective 12/23/2020: Good Standing

		Attempted	Earned	GPA Units	Points
Term GPA	0.00	Term Totals	17.00	17.00	68.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	17.00	17.00	68.000
Cum GPA	0.00	Cum Totals	17.00	17.00	68.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.000
Combined Cum GPA	0.00	Comb Totals	17.00	17.00	68.000

2021 Winter Quarter

Program: Electrical & Computer Engineer
Plan: PhD in Electrical and Computer Engineering

Course	Description	Attempted	Earned	Grade	Points
AM 230	Numerical Optimiz	5.00	5.00	A	20.000
ECE 241	FeedbackContrlSystem	5.00	5.00	A	20.000
ECE 279	Opt/Control:PowerSys	5.00	5.00	A	20.000
ECE 280Z	Smart Grids & Data	2.00	2.00	A+	8.000

Academic Standing Effective 03/18/2021: Good Standing

		Attempted	Earned	GPA Units	Points
Term GPA	4.00	Term Totals	17.00	17.00	68.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	17.00	17.00	68.000
Cum GPA	4.00	Cum Totals	34.00	34.00	136.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.000
Combined Cum GPA	4.00	Comb Totals	34.00	34.00	136.000

2021 Spring Quarter

Program: Electrical & Computer Engineer
Plan: PhD in Electrical and Computer Engineering

Course	Description	Attempted	Earned	Grade	Points
AM 232	Optimal Control	5.00	5.00	A+	20.000
ECE 275	Energy Market	5.00	5.00	B+	16.500
ECE 291	Tomorrow'sProfessor	3.00	3.00	S	0.000
ECE 297A	Independent Study	5.00	5.00	A+	20.000

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Name: Bose, Shourya
Student ID: 1851189

Academic Standing Effective 06/08/2021: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.76	Term Totals	18.00	18.00	15.00	56.500
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.76	Comb Totals	18.00	18.00	15.00	56.500
Cum GPA	3.92	Cum Totals	52.00	52.00	49.00	192.500
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.92	Comb Totals	52.00	52.00	49.00	192.500
Graduate Career Totals						
Cum GPA:	3.92	Cum Totals	52.00	52.00	49.00	192.500
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	3.92	Comb Totals	52.00	52.00	49.00	192.500

End of *** UNOFFICIAL ***