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EDUCATION

Chulalongkorn University | Bangkok , TH   **August 2024 - Present**

Bachelor of Engineering (B.Eng) , Department of Electrical Engineering | GPAX 3.00 (Update 26 Dec 2025)

TECHNICAL SKILLS

Programming Languages : **Python** (Upper-Intermediate), **Java** (Beginner), **C++** (Upper-Beginner) , **HTML-CSS-JavaScript** (Upper-Beginner) , **R** (Upper-Beginner) , **MATLAB** (Upper-Beginner) , **SQL** (Beginner)

Library & Tools
- **Data Analytics & Data Science** : NumPy , Pandas , Matplotlib , Seaborn , Altair (Upper-Beginner)
- **Database System** : ER Diagram , Basic SQL (Beginner)
- **Machine Learning** : Linear Regression , Basic Machine Learning (Beginner)

Technical Tools : Github , Chatbots , VSCode , RStudio , MATLAB , Digital Logic Simulator , Eclipse

Operating Systems : Windows 11 , macOS , Ubuntu

EXTRACURRICULAR ACTIVITIES BELATED TO COMPUTER ENGINEERING (HACKATHON)

AIEI HACKATHON | Mahidol University , Ramathibodi Hospital and more.   **SEPTEMBER 2025**
- Over-Night Hackathon about solving public health problems using technologies to adapt better solutions to improve the system.
- **My creation** : Create LINE Chatbot for decreasing miscellaneous tasks , Cleaning raw data via Pandas.
- **Award** : Participation & Special Prize Winner (2,000 THB)
- **Relevant Topics to Computer Engineering** : AI (Chatbot) , Data Analysis (Cleaning Data) | Link to CP News

IEEEXtreme 19.0 PROGRAMMING COMPETITION | IEEE Org.   **NOVEMBER 2025**
- 24-Hour Online Competitive Programming Competition for everyone. Submitting codes via CSAcademy.
- **My creation** : Do Problems using basic Python knowledge and a little bit of data structure using C++
- **After Competition** : Practicing 2110211 INTRO DATA STRUCTURE Grader Problems and more.
- **Award** : Participation (Done 1.5 Problems with Rank of 5xxx of 8xxx)
- **Relevant Topics to Computer Engineering** : Data Structures & Algorithms , Computer Programming

AIHack Financial Data 2025 | Faculty of Accountancy , Chulalongkorn U. & AIFUL Co.   **OCT-NOV 25**
- 7-Days Competition to train and improve models to forecast "Long Overdue Debtor" with their data.
- **My creation** : Cleaning Data then train model with "Random Forest Classifier" and submit AUC Score.
- **Award** : Participation (First Round) [Rank 71 of 81 with AUC Score 0.591]
- **Relevant Topics to Computer Engineering** : Machine Learning , Data Science | My Repo in Github (Private)

PREPARATORY COURSES & RELEVANT COURSES TAKEN / LEARNED BEFORE CHANGING MAJORS

- **CP Grader :** Learn Basic and Do problems in 2110211 DATA STRUCTURE & 2110263 DIGITAL LOGIC LAB
- **2108564 GEOSPATIAL DATA SCIENCE :** Learn Spatial Statistics & Spatial Data Science & Clustering
- **2101553 COMPUTER APPLICATIONS IN TRANSPORTATION** : Learn R & MATLAB (Optimization)

PERSONAL HANDS-ON PROJECTS

Intania Department Calculator 2025 | Python Web Application   **MAY - JUNE 2025**

- **Description** : Web Application for 1st year Engineering students to forecast how much they can get in their dream department [**Develop with 100% Python knowledge from 2110101 COMPUTER PROGRAMMING only.**]
- **Outcome** : Around 250 students from Intania 109 use this program. Easy to calculate and private.
- **Relevant Topics to Computer Engineering** : Computer Programming
- **Link to my program** : Intania Department Calculator 2025 By Nine #2 General | GitHub Calculator 2025

CUEE Camp III + Find Your Dream Department | Frontend Developer   **NOV- DEC 2025**

- **Description** : Develop important features for website structure which will be used in
  o   CUEE Camp III (Camp for Secondary schools to explore themselves about Electrical Engineering).
  o   Find Your Dream Department (website for 1st year Engineering Students for checking themselves which department is their most preferred.) [90% Finished , Need to Fill some other departments data]
- **Tech Stack** : Front-End Development : HTML , CSS + BootStrap , JavaScript | Deployment : Vercel
- **Relevant Topics to Computer Engineering** : Software Development (Frontend)
- **Link to my website** : CUEE Camp III Website , Find Your Dream Department Website

Grader Quiz Section 10 Score Analysis | Data Analyst & Visualization & Clustering   **DEC 2025**

- **Description** : Analyze Inclass students' score and cluster for dividing student learning groups with Pandas.
- **Outcome** : Around 20% Pass Minimum Requirement , 39% Fail but have development , 46% Did not pass.
- **Summary** : Many Students have development in Programming , But some need more attractive to pass.
- **Relevant Topics to Computer Engineering** : Data Analytics (Visualization) & Machine Learning (Clustering)
- **Link to my colab** : Grader Quiz 1 Section 10 Score Analysis , Github 2110500 COMP PROG TA (Private)

TEACHING ASSISTANT EXPERIENCES

2110101 COMP PROG Teaching Assistant (Section 10 Survey Engineering)   **AUG - NOV 2025**

- **Duties** : Answer students' questions about each topic | Being Grader Quiz Proctor for 6 Times (3 from Section 10 , 3 from General Section) | Learn how to set Virtual Machine (Ubuntu) and restore BAT files Guide ways for students to prepare for examinations | Do Midterm & Final Summary | Do Grader Score Analysis (Details Above)
- **Purpose** : To learn Teaching Assistant duties and responsibilities and to learn how to deal with pressure.
- **Result and Evaluation :** Details are in CP TA's Working Hours sheets (Sent with Portfolio & Others together)

JOB FAIR RELATED TO COMPUTER ENGINEERING FIELDS

CPCU Job Fair 2025 | Dept. of Computer Engineering , Chulalongkorn U. & JobThai   **OCT 2025**

- Finding an interesting pathway for my future tech careers
- **My Interest** : Software Developer , Data Analyst , Machine Learning Engineer

CP Link Session 4 : Hardware & Robotics | Dept. of Computer Engineering , CU.   **NOV 2025**

- Learned pathways of robotics engineer in real industry and got information for starting a career by CP Alumni and search some courses & learning pathway for Robotics Engineer Career

CERTIFICATES FROM LEARNING COMPUTER ENGINEERING RELATED TOPICS

- **Machine Learning | IBM x Coursera Chula Engineering (In Learning)**   **DEC 2025**
  - Learn about basics of Machine Learning , Coding with ML Libraries.
- **Robot Operating System | edX x Chula Life-Long Learning (In Learning)**   **DEC 2025**
  - Learn about basics of ROS (Topics , Services , Actions , Node)
- **COMPUTER NETWORKS | HUAWEI ICT ACADEMY (In Learning)**   **DEC 2025**
  - Learn about the basics of Computer Network (TCP/IP , Network Layers) , Doing Network Labs.